



Full wwPDB NMR Structure Validation Report ⓘ

Jun 3, 2023 – 05:35 AM EDT

PDB ID : 5W4S
BMRB ID : 30305
Title : Solution structure of C2 domain from protein kinase C alpha in ternary complex with calcium and V5-pHM peptide
Authors : Yang, Y.; Igumenova, T.I.
Deposited on : 2017-06-12

This is a Full wwPDB NMR Structure Validation Report for a publicly released PDB entry.

We welcome your comments at validation@mail.wwpdb.org

A user guide is available at

<https://www.wwpdb.org/validation/2017/NMRValidationReportHelp>

with specific help available everywhere you see the ⓘ symbol.

The types of validation reports are described at

<http://www.wwpdb.org/validation/2017/FAQs#types>.

The following versions of software and data (see [references ⓘ](#)) were used in the production of this report:

MolProbity : 4.02b-467
Mogul : 1.8.5 (274361), CSD as541be (2020)
Percentile statistics : 20191225.v01 (using entries in the PDB archive December 25th 2019)
wwPDB-RCI : v_1n_11_5_13_A (Berjanski et al., 2005)
PANAV : Wang et al. (2010)
wwPDB-ShiftChecker : v1.2
BMRB Restraints Analysis : v1.2
Ideal geometry (proteins) : Engh & Huber (2001)
Ideal geometry (DNA, RNA) : Parkinson et al. (1996)
Validation Pipeline (wwPDB-VP) : 2.33

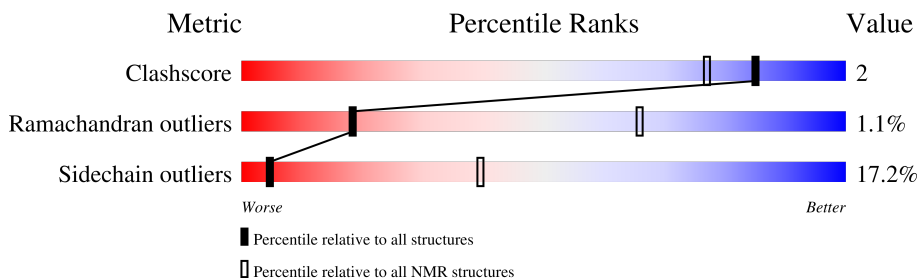
1 Overall quality at a glance

The following experimental techniques were used to determine the structure:

SOLUTION NMR

The overall completeness of chemical shifts assignment is 1%.

Percentile scores (ranging between 0-100) for global validation metrics of the entry are shown in the following graphic. The table shows the number of entries on which the scores are based.



| Metric | Whole archive (#Entries) | NMR archive (#Entries) |
|-----------------------|-----------------------------|---------------------------|
| Clashscore | 158937 | 12864 |
| Ramachandran outliers | 154571 | 11451 |
| Sidechain outliers | 154315 | 11428 |

The table below summarises the geometric issues observed across the polymeric chains and their fit to the experimental data. The red, orange, yellow and green segments indicate the fraction of residues that contain outliers for ≥ 3 , 2, 1 and 0 types of geometric quality criteria. A cyan segment indicates the fraction of residues that are not part of the well-defined cores, and a grey segment represents the fraction of residues that are not modelled. The numeric value for each fraction is indicated below the corresponding segment, with a dot representing fractions $\leq 5\%$

| Mol | Chain | Length | Quality of chain |
|-----|-------|--------|------------------|
| 1 | A | 139 | |
| 2 | B | 12 | |

2 Ensemble composition and analysis i

This entry contains 20 models. Model 2 is the overall representative, medoid model (most similar to other models). The authors have identified model 1 as representative, based on the following criterion: *lowest energy*.

The following residues are included in the computation of the global validation metrics.

| Well-defined (core) protein residues | | | |
|--------------------------------------|-----------------------------------|-------------------|--------------|
| Well-defined core | Residue range (total) | Backbone RMSD (Å) | Medoid model |
| 1 | A:156-A:293, B:653-B:656 (142) | 0.43 | 2 |

Ill-defined regions of proteins are excluded from the global statistics.

Ligands and non-protein polymers are included in the analysis.

The models can be grouped into 3 clusters and 2 single-model clusters were found.

| Cluster number | Models |
|-----------------------|---|
| 1 | 1, 2, 3, 6, 8, 11, 12, 13, 14, 16, 18, 20 |
| 2 | 4, 5, 7, 19 |
| 3 | 9, 15 |
| Single-model clusters | 10; 17 |

3 Entry composition

There are 3 unique types of molecules in this entry. The entry contains 2446 atoms, of which 1209 are hydrogens and 0 are deuteriums.

- Molecule 1 is a protein called Protein kinase C alpha type.

| Mol | Chain | Residues | Atoms | | | | | | Trace |
|-----|-------|----------|-------|-----|------|-----|-----|---|-------|
| | | | Total | C | H | N | O | S | |
| 1 | A | 139 | 2286 | 725 | 1143 | 197 | 217 | 4 | 0 |

- Molecule 2 is a protein called V5-pHM peptide.

| Mol | Chain | Residues | Atoms | | | | | | Trace |
|-----|-------|----------|-------|----|----|----|----|---|-------|
| | | | Total | C | H | N | O | P | |
| 2 | B | 12 | 158 | 55 | 66 | 12 | 24 | 1 | 1 |

- Molecule 3 is CALCIUM ION (three-letter code: CA) (formula: Ca).

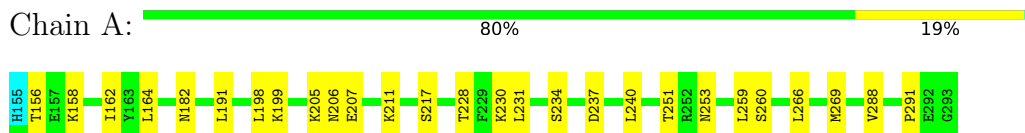
| Mol | Chain | Residues | Atoms | |
|-----|-------|----------|-------|----|
| | | | Total | Ca |
| 3 | A | 2 | 2 | 2 |

4 Residue-property plots [i](#)

4.1 Average score per residue in the NMR ensemble

These plots are provided for all protein, RNA, DNA and oligosaccharide chains in the entry. The first graphic is the same as shown in the summary in section 1 of this report. The second graphic shows the sequence where residues are colour-coded according to the number of geometric quality criteria for which they contain at least one outlier: green = 0, yellow = 1, orange = 2 and red = 3 or more. Stretches of 2 or more consecutive residues without any outliers are shown as green connectors. Residues which are classified as ill-defined in the NMR ensemble, are shown in cyan with an underline colour-coded according to the previous scheme. Residues which were present in the experimental sample, but not modelled in the final structure are shown in grey.

- Molecule 1: Protein kinase C alpha type



- Molecule 2: V5-pHM peptide

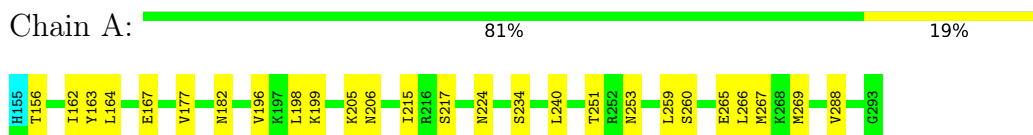


4.2 Scores per residue for each member of the ensemble

Colouring as in section 4.1 above.

4.2.1 Score per residue for model 1

- Molecule 1: Protein kinase C alpha type

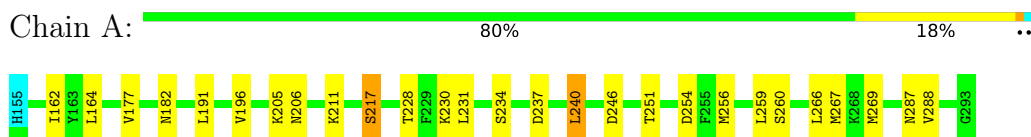


- Molecule 2: V5-pHM peptide



4.2.2 Score per residue for model 2 (medoid)

- Molecule 1: Protein kinase C alpha type

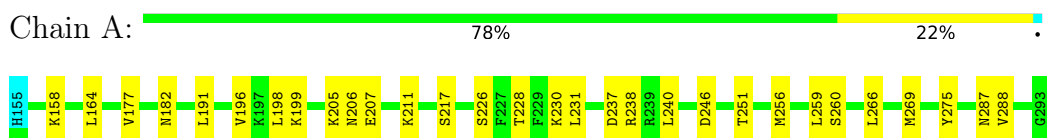


- Molecule 2: V5-pHM peptide



4.2.3 Score per residue for model 3

- Molecule 1: Protein kinase C alpha type

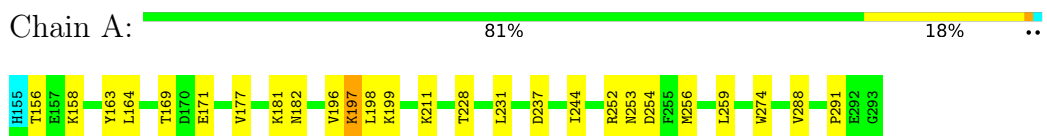


- Molecule 2: V5-pHM peptide



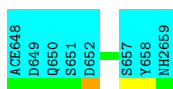
4.2.4 Score per residue for model 4

- Molecule 1: Protein kinase C alpha type



- Molecule 2: V5-pHM peptide





4.2.5 Score per residue for model 5

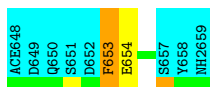
- Molecule 1: Protein kinase C alpha type

Chain A: 76% 23% ..



- Molecule 2: V5-pHM peptide

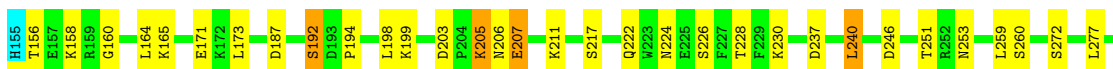
Chain B: 17% 8% 8% 67%



4.2.6 Score per residue for model 6

- Molecule 1: Protein kinase C alpha type

Chain A: 75% 22% ..



- Molecule 2: V5-pHM peptide

Chain B: 25% 8% 67%



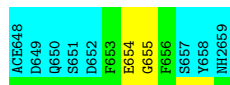
4.2.7 Score per residue for model 7

- Molecule 1: Protein kinase C alpha type

Chain A: 76% 22% ..

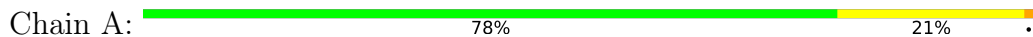


- Molecule 2: V5-pHM peptide

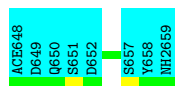


4.2.8 Score per residue for model 8

- Molecule 1: Protein kinase C alpha type



- Molecule 2: V5-pHM peptide



4.2.9 Score per residue for model 9

- Molecule 1: Protein kinase C alpha type

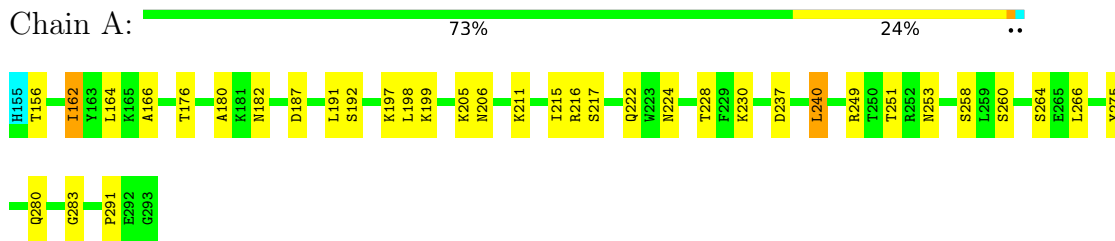


- Molecule 2: V5-pHM peptide



4.2.10 Score per residue for model 10

- Molecule 1: Protein kinase C alpha type

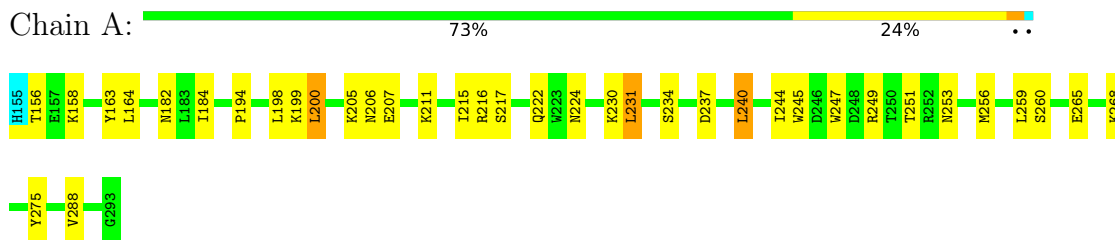


- Molecule 2: V5-pHM peptide



4.2.11 Score per residue for model 11

- Molecule 1: Protein kinase C alpha type

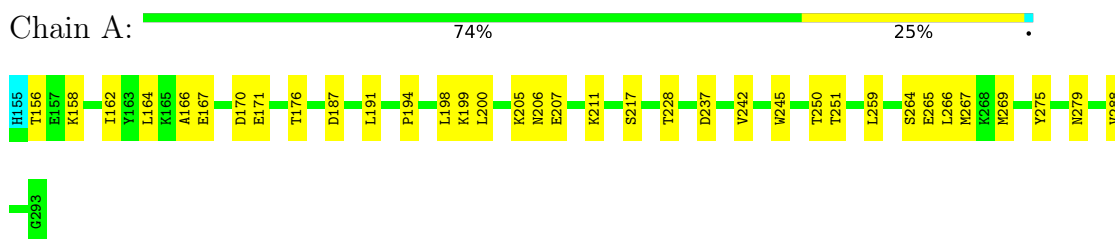


- Molecule 2: V5-pHM peptide



4.2.12 Score per residue for model 12

- Molecule 1: Protein kinase C alpha type

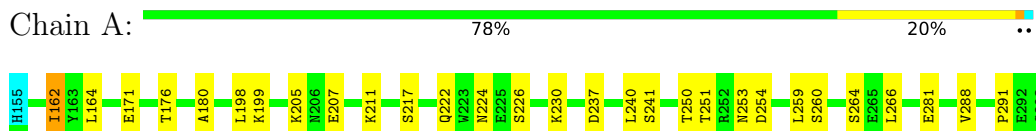


- Molecule 2: V5-pHM peptide



4.2.13 Score per residue for model 13

- Molecule 1: Protein kinase C alpha type

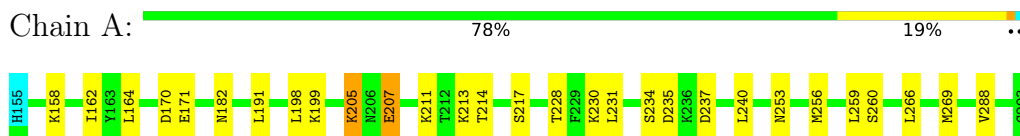


- Molecule 2: V5-pHM peptide



4.2.14 Score per residue for model 14

- Molecule 1: Protein kinase C alpha type

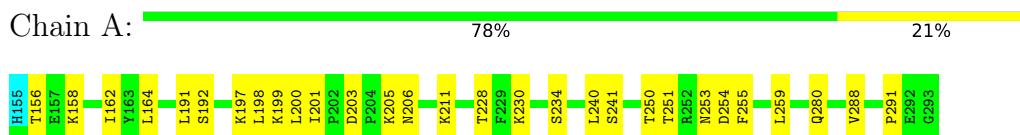


- Molecule 2: V5-pHM peptide



4.2.15 Score per residue for model 15

- Molecule 1: Protein kinase C alpha type

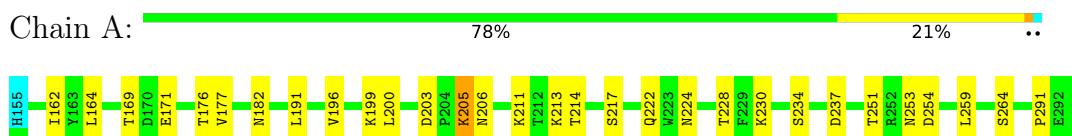


- Molecule 2: V5-pHM peptide

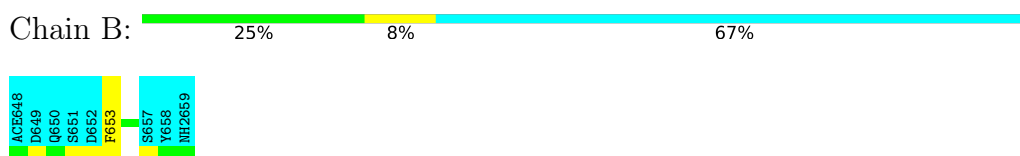


4.2.16 Score per residue for model 16

- Molecule 1: Protein kinase C alpha type

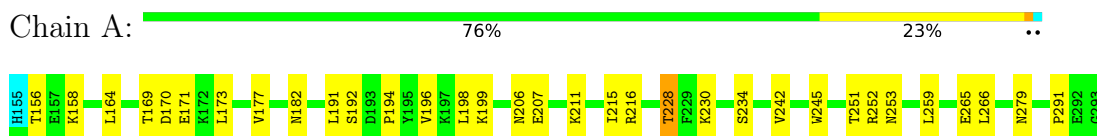


- Molecule 2: V5-pHM peptide



4.2.17 Score per residue for model 17

- Molecule 1: Protein kinase C alpha type

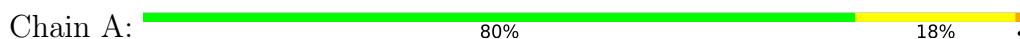


- Molecule 2: V5-pHM peptide



4.2.18 Score per residue for model 18

- Molecule 1: Protein kinase C alpha type



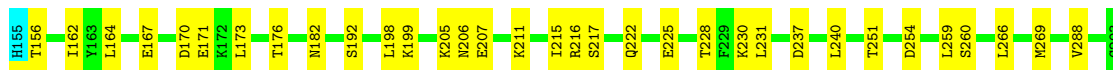


- Molecule 2: V5-pHM peptide



4.2.19 Score per residue for model 19

- Molecule 1: Protein kinase C alpha type



- Molecule 2: V5-pHM peptide

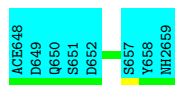


4.2.20 Score per residue for model 20

- Molecule 1: Protein kinase C alpha type



- Molecule 2: V5-pHM peptide



5 Refinement protocol and experimental data overview

The models were refined using the following method: *DGSA-distance geometry simulated annealing*.

Of the 400 calculated structures, 20 were deposited, based on the following criterion: *structures with the lowest energy*.

The following table shows the software used for structure solution, optimisation and refinement.

| Software name | Classification | Version |
|---------------|-----------------------|---------|
| ARIA | structure calculation | |
| CNS | refinement | |
| HADDOCK | structure calculation | |

The following table shows chemical shift validation statistics as aggregates over all chemical shift files. Detailed validation can be found in section 7 of this report.

| Chemical shift file(s) | working_cs.cif |
|--|----------------|
| Number of chemical shift lists | 1 |
| Total number of shifts | 59 |
| Number of shifts mapped to atoms | 59 |
| Number of unparsed shifts | 0 |
| Number of shifts with mapping errors | 0 |
| Number of shifts with mapping warnings | 0 |
| Assignment completeness (well-defined parts) | 1% |

6 Model quality i

6.1 Standard geometry i

Bond lengths and bond angles in the following residue types are not validated in this section: ACE, SEP, NH2, CA

There are no covalent bond-length or bond-angle outliers.

There are no bond-length outliers.

There are no bond-angle outliers.

There are no chirality outliers.

There are no planarity outliers.

6.2 Too-close contacts i

In the following table, the Non-H and H(model) columns list the number of non-hydrogen atoms and hydrogen atoms in each chain respectively. The H(added) column lists the number of hydrogen atoms added and optimized by MolProbity. The Clashes column lists the number of clashes averaged over the ensemble.

| Mol | Chain | Non-H | H(model) | H(added) | Clashes |
|-----|-------|-------|----------|----------|---------|
| 1 | A | 1133 | 1133 | 1132 | 5±2 |
| 2 | B | 35 | 27 | 27 | 0±0 |
| All | All | 23400 | 23200 | 23180 | 102 |

The all-atom clashscore is defined as the number of clashes found per 1000 atoms (including hydrogen atoms). The all-atom clashscore for this structure is 2.

All unique clashes are listed below, sorted by their clash magnitude.

| Atom-1 | Atom-2 | Clash(Å) | Distance(Å) | Models | |
|------------------|------------------|----------|-------------|--------|-------|
| | | | | Worst | Total |
| 1:A:177:VAL:HG21 | 1:A:196:VAL:HG21 | 0.65 | 1.67 | 17 | 7 |
| 1:A:258:SER:O | 1:A:283:GLY:HA3 | 0.57 | 2.00 | 10 | 2 |
| 1:A:266:LEU:HA | 1:A:269:MET:O | 0.56 | 1.99 | 20 | 8 |
| 1:A:191:LEU:HD21 | 1:A:217:SER:HA | 0.53 | 1.79 | 12 | 5 |
| 1:A:215:ILE:HG22 | 1:A:216:ARG:H | 0.53 | 1.62 | 11 | 4 |
| 1:A:222:GLN:HG2 | 1:A:224:ASN:OD1 | 0.53 | 2.04 | 13 | 5 |
| 1:A:203:ASP:OD2 | 1:A:205:LYS:HD2 | 0.51 | 2.04 | 6 | 2 |
| 1:A:240:LEU:O | 1:A:260:SER:HA | 0.51 | 2.04 | 10 | 13 |
| 1:A:166:ALA:HB1 | 1:A:266:LEU:HD21 | 0.50 | 1.83 | 12 | 2 |
| 1:A:162:ILE:HG12 | 1:A:180:ALA:HB2 | 0.50 | 1.84 | 7 | 5 |
| 1:A:187:ASP:HB2 | 1:A:191:LEU:O | 0.49 | 2.08 | 20 | 3 |

Continued on next page...

Continued from previous page...

| Atom-1 | Atom-2 | Clash(Å) | Distance(Å) | Models | |
|------------------|------------------|----------|-------------|--------|-------|
| | | | | Worst | Total |
| 1:A:191:LEU:HG | 1:A:192:SER:N | 0.49 | 2.21 | 10 | 1 |
| 1:A:160:GLY:O | 1:A:277:LEU:HG | 0.49 | 2.07 | 7 | 2 |
| 1:A:275:TYR:OH | 1:A:287:ASN:HA | 0.48 | 2.09 | 3 | 1 |
| 1:A:203:ASP:OD2 | 1:A:205:LYS:HG3 | 0.47 | 2.08 | 15 | 2 |
| 1:A:192:SER:O | 1:A:194:PRO:HD3 | 0.46 | 2.11 | 6 | 2 |
| 1:A:173:LEU:O | 1:A:228:THR:HA | 0.46 | 2.11 | 6 | 3 |
| 1:A:173:LEU:HD11 | 1:A:266:LEU:HD23 | 0.45 | 1.87 | 19 | 1 |
| 1:A:191:LEU:HG | 1:A:192:SER:H | 0.45 | 1.72 | 10 | 2 |
| 1:A:238:ARG:HA | 1:A:238:ARG:NE | 0.44 | 2.28 | 3 | 1 |
| 1:A:215:ILE:HG22 | 1:A:216:ARG:N | 0.44 | 2.27 | 19 | 2 |
| 1:A:269:MET:O | 1:A:269:MET:HG3 | 0.44 | 2.13 | 9 | 1 |
| 1:A:181:LYS:HE2 | 1:A:274:TRP:CH2 | 0.43 | 2.48 | 4 | 1 |
| 1:A:244:ILE:O | 1:A:256:MET:HB2 | 0.43 | 2.14 | 11 | 2 |
| 1:A:246:ASP:HB3 | 1:A:254:ASP:HB2 | 0.43 | 1.89 | 2 | 1 |
| 1:A:194:PRO:HA | 1:A:245:TRP:O | 0.43 | 2.14 | 17 | 3 |
| 1:A:200:LEU:HB3 | 1:A:231:LEU:HD23 | 0.43 | 1.90 | 11 | 1 |
| 1:A:255:PHE:CZ | 1:A:280:GLN:HG3 | 0.43 | 2.49 | 15 | 1 |
| 1:A:252:ARG:HD2 | 1:A:252:ARG:O | 0.43 | 2.14 | 17 | 1 |
| 1:A:287:ASN:O | 1:A:289:PRO:HD3 | 0.42 | 2.13 | 5 | 1 |
| 1:A:165:LYS:HG3 | 1:A:272:SER:OG | 0.42 | 2.14 | 6 | 1 |
| 1:A:176:THR:HA | 1:A:225:GLU:O | 0.42 | 2.15 | 19 | 1 |
| 1:A:205:LYS:HD3 | 1:A:207:GLU:CG | 0.42 | 2.45 | 14 | 3 |
| 1:A:174:HIS:HA | 1:A:227:PHE:O | 0.42 | 2.15 | 9 | 1 |
| 1:A:260:SER:OG | 1:A:284:GLU:HA | 0.42 | 2.15 | 5 | 1 |
| 1:A:265:GLU:O | 1:A:268:LYS:HG3 | 0.41 | 2.15 | 11 | 1 |
| 1:A:216:ARG:O | 1:A:218:THR:HG22 | 0.41 | 2.15 | 20 | 1 |
| 1:A:247:TRP:CE2 | 2:B:656:PHE:HB2 | 0.41 | 2.50 | 11 | 1 |
| 1:A:247:TRP:CH2 | 2:B:654:GLU:HA | 0.41 | 2.51 | 7 | 1 |
| 1:A:181:LYS:O | 1:A:182:ASN:HB2 | 0.41 | 2.16 | 7 | 1 |
| 1:A:265:GLU:OE1 | 1:A:268:LYS:HE2 | 0.40 | 2.16 | 9 | 1 |
| 2:B:653:PHE:HB3 | 2:B:654:GLU:OE1 | 0.40 | 2.16 | 5 | 1 |
| 1:A:213:LYS:HG3 | 1:A:214:THR:N | 0.40 | 2.32 | 16 | 1 |
| 1:A:280:GLN:O | 1:A:284:GLU:HG2 | 0.40 | 2.16 | 5 | 1 |
| 1:A:197:LYS:HE3 | 2:B:653:PHE:CE1 | 0.40 | 2.51 | 15 | 1 |

6.3 Torsion angles

6.3.1 Protein backbone

In the following table, the Percentiles column shows the percent Ramachandran outliers of the chain as a percentile score with respect to all PDB entries followed by that with respect to all NMR

entries. The Analysed column shows the number of residues for which the backbone conformation was analysed and the total number of residues.

| Mol | Chain | Analysed | Favoured | Allowed | Outliers | Percentiles | |
|-----|-------|-----------------|---------------|--------------|-------------|-------------|----|
| 1 | A | 137/139 (99%) | 123±2 (90±1%) | 12±2 (9±1%) | 1±1 (1±1%) | 20 | 68 |
| 2 | B | 4/12 (33%) | 2±1 (45±22%) | 2±1 (50±25%) | 0±0 (5±10%) | 4 | 25 |
| All | All | 2820/3020 (93%) | 2505 (89%) | 283 (10%) | 32 (1%) | 18 | 66 |

All 5 unique Ramachandran outliers are listed below. They are sorted by the frequency of occurrence in the ensemble.

| Mol | Chain | Res | Type | Models (Total) |
|-----|-------|-----|------|----------------|
| 1 | A | 253 | ASN | 14 |
| 1 | A | 291 | PRO | 11 |
| 2 | B | 655 | GLY | 4 |
| 1 | A | 249 | ARG | 2 |
| 1 | A | 215 | ILE | 1 |

6.3.2 Protein sidechains [i](#)

In the following table, the Percentiles column shows the percent sidechain outliers of the chain as a percentile score with respect to all PDB entries followed by that with respect to all NMR entries. The Analysed column shows the number of residues for which the sidechain conformation was analysed and the total number of residues.

| Mol | Chain | Analysed | Rotameric | Outliers | Percentiles | |
|-----|-------|-----------------|---------------|--------------|-------------|----|
| 1 | A | 128/129 (99%) | 106±3 (83±2%) | 22±3 (17±2%) | 5 | 40 |
| 2 | B | 3/8 (38%) | 2±1 (75±23%) | 1±1 (25±23%) | 2 | 25 |
| All | All | 2620/2740 (96%) | 2169 (83%) | 451 (17%) | 5 | 39 |

All 63 unique residues with a non-rotameric sidechain are listed below. They are sorted by the frequency of occurrence in the ensemble.

| Mol | Chain | Res | Type | Models (Total) |
|-----|-------|-----|------|----------------|
| 1 | A | 164 | LEU | 20 |
| 1 | A | 199 | LYS | 19 |
| 1 | A | 259 | LEU | 19 |
| 1 | A | 198 | LEU | 18 |
| 1 | A | 211 | LYS | 18 |
| 1 | A | 251 | THR | 17 |
| 1 | A | 205 | LYS | 16 |
| 1 | A | 288 | VAL | 16 |

Continued on next page...

Continued from previous page...

| Mol | Chain | Res | Type | Models (Total) |
|-----|-------|-----|------|----------------|
| 1 | A | 228 | THR | 16 |
| 1 | A | 237 | ASP | 16 |
| 1 | A | 162 | ILE | 15 |
| 1 | A | 182 | ASN | 15 |
| 1 | A | 206 | ASN | 15 |
| 1 | A | 230 | LYS | 15 |
| 1 | A | 156 | THR | 14 |
| 1 | A | 234 | SER | 11 |
| 2 | B | 653 | PHE | 11 |
| 1 | A | 231 | LEU | 11 |
| 1 | A | 158 | LYS | 11 |
| 1 | A | 207 | GLU | 11 |
| 1 | A | 217 | SER | 10 |
| 1 | A | 171 | GLU | 10 |
| 1 | A | 240 | LEU | 8 |
| 1 | A | 200 | LEU | 7 |
| 1 | A | 275 | TYR | 7 |
| 1 | A | 167 | GLU | 6 |
| 1 | A | 254 | ASP | 6 |
| 1 | A | 264 | SER | 6 |
| 1 | A | 176 | THR | 6 |
| 1 | A | 169 | THR | 5 |
| 1 | A | 170 | ASP | 5 |
| 1 | A | 163 | TYR | 4 |
| 1 | A | 267 | MET | 4 |
| 2 | B | 654 | GLU | 4 |
| 1 | A | 256 | MET | 4 |
| 1 | A | 191 | LEU | 4 |
| 1 | A | 226 | SER | 4 |
| 1 | A | 246 | ASP | 4 |
| 1 | A | 265 | GLU | 3 |
| 1 | A | 210 | GLN | 3 |
| 1 | A | 266 | LEU | 3 |
| 1 | A | 192 | SER | 3 |
| 1 | A | 242 | VAL | 3 |
| 1 | A | 269 | MET | 3 |
| 1 | A | 250 | THR | 3 |
| 1 | A | 224 | ASN | 2 |
| 1 | A | 157 | GLU | 2 |
| 1 | A | 279 | ASN | 2 |
| 1 | A | 241 | SER | 2 |
| 1 | A | 287 | ASN | 1 |

Continued on next page...

Continued from previous page...

| Mol | Chain | Res | Type | Models (Total) |
|-----|-------|-----|------|----------------|
| 1 | A | 197 | LYS | 1 |
| 1 | A | 252 | ARG | 1 |
| 1 | A | 215 | ILE | 1 |
| 1 | A | 187 | ASP | 1 |
| 1 | A | 280 | GLN | 1 |
| 1 | A | 184 | ILE | 1 |
| 1 | A | 281 | GLU | 1 |
| 1 | A | 213 | LYS | 1 |
| 1 | A | 214 | THR | 1 |
| 1 | A | 235 | ASP | 1 |
| 1 | A | 201 | ILE | 1 |
| 1 | A | 222 | GLN | 1 |
| 1 | A | 189 | ASN | 1 |

6.3.3 RNA [i](#)

There are no RNA molecules in this entry.

6.4 Non-standard residues in protein, DNA, RNA chains [i](#)

1 non-standard protein/DNA/RNA residue is modelled in this entry.

In the following table, the Counts columns list the number of bonds for which Mogul statistics could be retrieved, the number of bonds that are observed in the model and the number of bonds that are defined in the chemical component dictionary. The Link column lists molecule types, if any, to which the group is linked. The Z score for a bond length is the number of standard deviations the observed value is removed from the expected value. A bond length with $|Z| > 2$ is considered an outlier worth inspection. RMSZ is the average root-mean-square of all Z scores of the bond lengths.

| Mol | Type | Chain | Res | Link | Bond lengths | | |
|-----|------|-------|-----|------|--------------|-----------|-------------|
| | | | | | Counts | RMSZ | #Z>2 |
| 2 | SEP | B | 657 | 2 | 8,9,10 | 1.50±0.01 | 1±0 (12±0%) |

In the following table, the Counts columns list the number of angles for which Mogul statistics could be retrieved, the number of angles that are observed in the model and the number of angles that are defined in the chemical component dictionary. The Link column lists molecule types, if any, to which the group is linked. The Z score for a bond angle is the number of standard deviations the observed value is removed from the expected value. A bond angle with $|Z| > 2$ is considered an outlier worth inspection. RMSZ is the average root-mean-square of all Z scores of the bond angles.

| Mol | Type | Chain | Res | Link | Counts | Bond angles | |
|-----|------|-------|-----|------|---------|-------------|-------------|
| | | | | | | RMSZ | #Z>2 |
| 2 | SEP | B | 657 | 2 | 8,12,14 | 2.03±0.08 | 3±0 (37±0%) |

In the following table, the Chirals column lists the number of chiral outliers, the number of chiral centers analysed, the number of these observed in the model and the number defined in the chemical component dictionary. Similar counts are reported in the Torsion and Rings columns. '-' means no outliers of that kind were identified.

| Mol | Type | Chain | Res | Link | Chirals | Torsions | Rings |
|-----|------|-------|-----|------|---------|------------|-------|
| 2 | SEP | B | 657 | 2 | - | 0±0,5,8,10 | - |

All unique bond outliers are listed below.

| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) | Models | |
|-----|-------|-----|------|-------|------|-------------|----------|--------|-------|
| | | | | | | | | Worst | Total |
| 2 | B | 657 | SEP | P-O1P | 3.09 | 1.60 | 1.50 | 20 | 20 |

All unique angle outliers are listed below. They are sorted according to the Z-score of the worst occurrence in the ensemble.

| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) | Models | |
|-----|-------|-----|------|----------|------|-------------|----------|--------|-------|
| | | | | | | | | Worst | Total |
| 2 | B | 657 | SEP | OG-CB-CA | 3.61 | 111.66 | 108.14 | 19 | 20 |
| 2 | B | 657 | SEP | O3P-P-OG | 3.02 | 114.77 | 106.73 | 17 | 20 |
| 2 | B | 657 | SEP | O2P-P-OG | 2.89 | 114.43 | 106.73 | 19 | 20 |

There are no chirality outliers.

There are no torsion outliers.

There are no ring outliers.

6.5 Carbohydrates [i](#)

There are no monosaccharides in this entry.

6.6 Ligand geometry [i](#)

Of 2 ligands modelled in this entry, 2 are monoatomic - leaving 0 for Mogul analysis.

6.7 Other polymers [i](#)

There are no such molecules in this entry.

6.8 Polymer linkage issues [i](#)

There are no chain breaks in this entry.

7 Chemical shift validation [i](#)

The completeness of assignment taking into account all chemical shift lists is 1% for the well-defined parts and 3% for the entire structure.

7.1 Chemical shift list 1

File name: working_cs.cif

Chemical shift list name: *pSer10_deposit_star3_v2.txt*

7.1.1 Bookkeeping [i](#)

The following table shows the results of parsing the chemical shift list and reports the number of nuclei with statistically unusual chemical shifts.

| | |
|---|----|
| Total number of shifts | 59 |
| Number of shifts mapped to atoms | 59 |
| Number of unparsed shifts | 0 |
| Number of shifts with mapping errors | 0 |
| Number of shifts with mapping warnings | 0 |
| Number of shift outliers (ShiftChecker) | 0 |

7.1.2 Chemical shift referencing [i](#)

No chemical shift referencing corrections were calculated (not enough data).

7.1.3 Completeness of resonance assignments [i](#)

The following table shows the completeness of the chemical shift assignments for the well-defined regions of the structure. The overall completeness is 1%, i.e. 25 atoms were assigned a chemical shift out of a possible 1999. 0 out of 20 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

| | Total | ¹ H | ¹³ C | ¹⁵ N |
|-----------|--------------|----------------|-----------------|-----------------|
| Backbone | 9/698 (1%) | 9/282 (3%) | 0/284 (0%) | 0/132 (0%) |
| Sidechain | 8/1140 (1%) | 8/731 (1%) | 0/359 (0%) | 0/50 (0%) |
| Aromatic | 8/161 (5%) | 8/78 (10%) | 0/77 (0%) | 0/6 (0%) |
| Overall | 25/1999 (1%) | 25/1091 (2%) | 0/720 (0%) | 0/188 (0%) |

The following table shows the completeness of the chemical shift assignments for the full structure. The overall completeness is 3%, i.e. 53 atoms were assigned a chemical shift out of a possible 2073. 0 out of 20 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

| | Total | ¹ H | ¹³ C | ¹⁵ N |
|-----------|--------------|----------------|-----------------|-----------------|
| Backbone | 19/728 (3%) | 19/294 (6%) | 0/296 (0%) | 0/138 (0%) |
| Sidechain | 22/1167 (2%) | 22/747 (3%) | 0/369 (0%) | 0/51 (0%) |
| Aromatic | 12/178 (7%) | 12/86 (14%) | 0/84 (0%) | 0/8 (0%) |
| Overall | 53/2073 (3%) | 53/1127 (5%) | 0/749 (0%) | 0/197 (0%) |

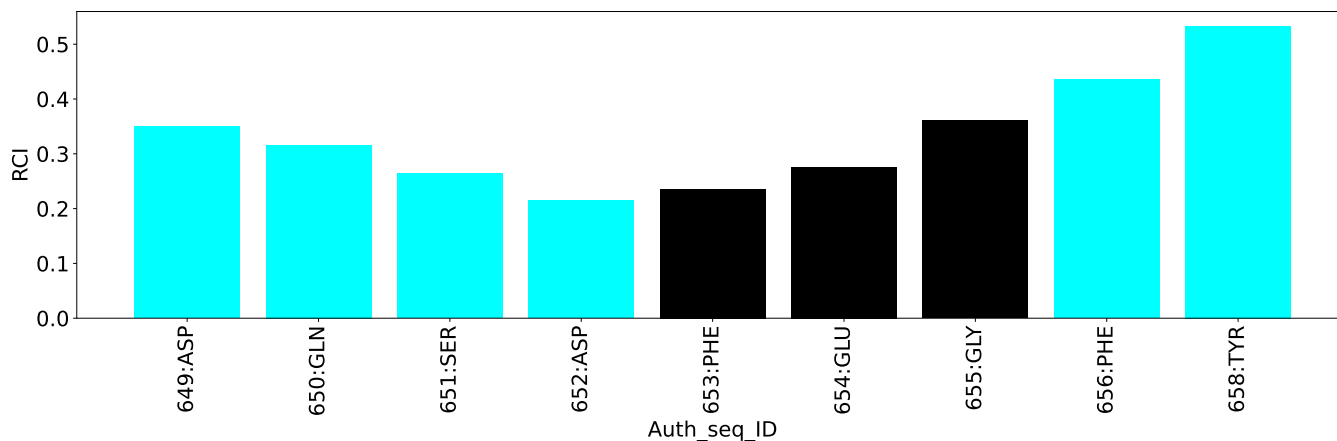
7.1.4 Statistically unusual chemical shifts [i](#)

There are no statistically unusual chemical shifts.

7.1.5 Random Coil Index (RCI) plots [i](#)

The image below reports *random coil index* values for the protein chains in the structure. The height of each bar gives a probability of a given residue to be disordered, as predicted from the available chemical shifts and the amino acid sequence. A value above 0.2 is an indication of significant predicted disorder. The colour of the bar shows whether the residue is in the well-defined core (black) or in the ill-defined residue ranges (cyan), as described in section 2 on ensemble composition. If well-defined core and ill-defined regions are not identified then it is shown as gray bars.

Random coil index (RCI) for chain B:



8 NMR restraints analysis

8.1 Conformationally restricting restraints

The following table provides the summary of experimentally observed NMR restraints in different categories. Restraints are classified into different categories based on the sequence separation of the atoms involved.

| Description | Value |
|--|-------|
| Total distance restraints | 49 |
| Intra-residue ($ i-j =0$) | 0 |
| Sequential ($ i-j =1$) | 0 |
| Medium range ($ i-j >1$ and $ i-j <5$) | 0 |
| Long range ($ i-j \geq 5$) | 12 |
| Inter-chain | 35 |
| Hydrogen bond restraints | 2 |
| Disulfide bond restraints | 0 |
| Total dihedral-angle restraints | 0 |
| Number of unmapped restraints | 0 |
| Number of restraints per residue | 0.3 |
| Number of long range restraints per residue ¹ | 0.1 |

¹Long range hydrogen bonds and disulfide bonds are counted as long range restraints while calculating the number of long range restraints per residue

8.2 Residual restraint violations

This section provides the overview of the restraint violations analysis. The violations are binned as small, medium and large violations based on its absolute value. Average number of violations per model is calculated by dividing the total number of violations in each bin by the size of the ensemble.

8.2.1 Average number of distance violations per model

Distance violations less than 0.1 Å are not included in the calculation.

| Bins (Å) | Average number of violations per model | Max (Å) |
|------------------|--|---------|
| 0.1-0.2 (Small) | 0.1 | 0.16 |
| 0.2-0.5 (Medium) | 0.4 | 0.49 |
| >0.5 (Large) | 1.0 | 1.34 |

8.2.2 Average number of dihedral-angle violations per model

Dihedral-angle violations less than 1° are not included in the calculation. There are no dihedral-angle violations

9 Distance violation analysis [i](#)

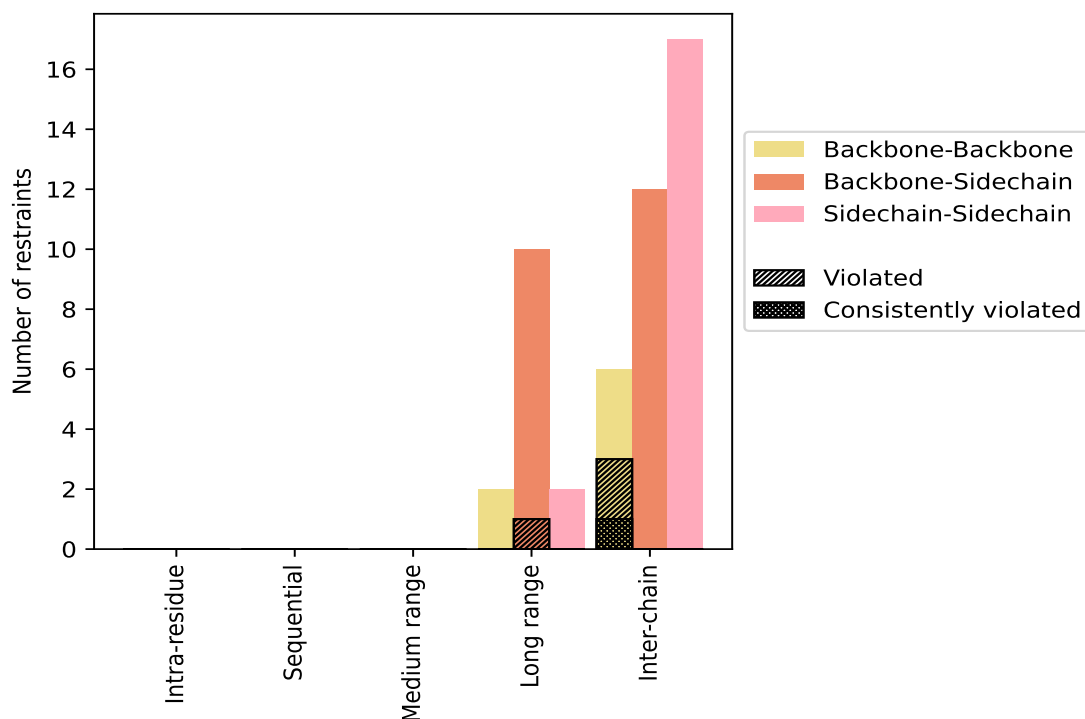
9.1 Summary of distance violations [i](#)

The following table shows the summary of distance violations in different restraint categories based on the sequence separation of the atoms involved. Each category is further sub-divided into three sub-categories based on the atoms involved. Violations less than 0.1 Å are not included in the statistics.

| Restrains type | Count | % ¹ | Violated ³ | | | Consistently Violated ⁴ | | |
|--|-------|----------------|-----------------------|----------------|----------------|------------------------------------|----------------|----------------|
| | | | Count | % ² | % ¹ | Count | % ² | % ¹ |
| Intra-residue (i-j =0) | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0.0 |
| Backbone-Backbone | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0.0 |
| Backbone-Sidechain | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0.0 |
| Sidechain-Sidechain | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0.0 |
| Sequential (i-j =1) | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0.0 |
| Backbone-Backbone | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0.0 |
| Backbone-Sidechain | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0.0 |
| Sidechain-Sidechain | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0.0 |
| Medium range (i-j >1 & i-j <5) | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0.0 |
| Backbone-Backbone | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0.0 |
| Backbone-Sidechain | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0.0 |
| Sidechain-Sidechain | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0.0 |
| Long range (i-j ≥5) | 12 | 24.5 | 1 | 8.3 | 2.0 | 0 | 0.0 | 0.0 |
| Backbone-Backbone | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0.0 |
| Backbone-Sidechain | 10 | 20.4 | 1 | 10.0 | 2.0 | 0 | 0.0 | 0.0 |
| Sidechain-Sidechain | 2 | 4.1 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0.0 |
| Inter-chain | 35 | 71.4 | 3 | 8.6 | 6.1 | 1 | 2.9 | 2.0 |
| Backbone-Backbone | 6 | 12.2 | 3 | 50.0 | 6.1 | 1 | 16.7 | 2.0 |
| Backbone-Sidechain | 12 | 24.5 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0.0 |
| Sidechain-Sidechain | 17 | 34.7 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0.0 |
| Hydrogen bond | 2 | 4.1 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0.0 |
| Disulfide bond | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0.0 |
| Total | 49 | 100.0 | 4 | 8.2 | 8.2 | 1 | 2.0 | 2.0 |
| Backbone-Backbone | 8 | 16.3 | 3 | 37.5 | 6.1 | 1 | 12.5 | 2.0 |
| Backbone-Sidechain | 22 | 44.9 | 1 | 4.5 | 2.0 | 0 | 0.0 | 0.0 |
| Sidechain-Sidechain | 19 | 38.8 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0.0 |

¹ percentage calculated with respect to the total number of distance restraints, ² percentage calculated with respect to the number of restraints in a particular restraint category, ³ violated in at least one model, ⁴ violated in all the models

9.1.1 Bar chart : Distribution of distance restraints and violations [i](#)



Violated and consistently violated restraints are shown using different hatch patterns in their respective categories. The hydrogen bonds and disulfid bonds are counted in their appropriate category on the x-axis

9.2 Distance violation statistics for each model [i](#)

The following table provides the distance violation statistics for each model in the ensemble. Violations less than 0.1 Å are not included in the statistics.

| Model ID | Number of violations | | | | | | Mean (Å) | Max (Å) | SD ⁶ (Å) | Median (Å) |
|----------|----------------------|-----------------|-----------------|-----------------|-----------------|-------|----------|---------|---------------------|------------|
| | IR ¹ | SQ ² | MR ³ | LR ⁴ | IC ⁵ | Total | | | | |
| 1 | 0 | 0 | 0 | 0 | 1 | 1 | 1.2 | 1.2 | 0.0 | 1.2 |
| 2 | 0 | 0 | 0 | 0 | 1 | 1 | 1.27 | 1.27 | 0.0 | 1.27 |
| 3 | 0 | 0 | 0 | 0 | 1 | 1 | 1.2 | 1.2 | 0.0 | 1.2 |
| 4 | 0 | 0 | 0 | 0 | 1 | 1 | 1.11 | 1.11 | 0.0 | 1.11 |
| 5 | 0 | 0 | 0 | 0 | 1 | 1 | 1.16 | 1.16 | 0.0 | 1.16 |
| 6 | 0 | 0 | 0 | 0 | 1 | 1 | 1.12 | 1.12 | 0.0 | 1.12 |
| 7 | 0 | 0 | 0 | 0 | 1 | 1 | 1.25 | 1.25 | 0.0 | 1.25 |
| 8 | 0 | 0 | 0 | 0 | 1 | 1 | 1.17 | 1.17 | 0.0 | 1.17 |
| 9 | 0 | 0 | 0 | 0 | 2 | 2 | 0.64 | 1.12 | 0.49 | 0.64 |
| 10 | 0 | 0 | 0 | 0 | 3 | 3 | 0.58 | 1.23 | 0.46 | 0.29 |
| 11 | 0 | 0 | 0 | 0 | 1 | 1 | 1.09 | 1.09 | 0.0 | 1.09 |

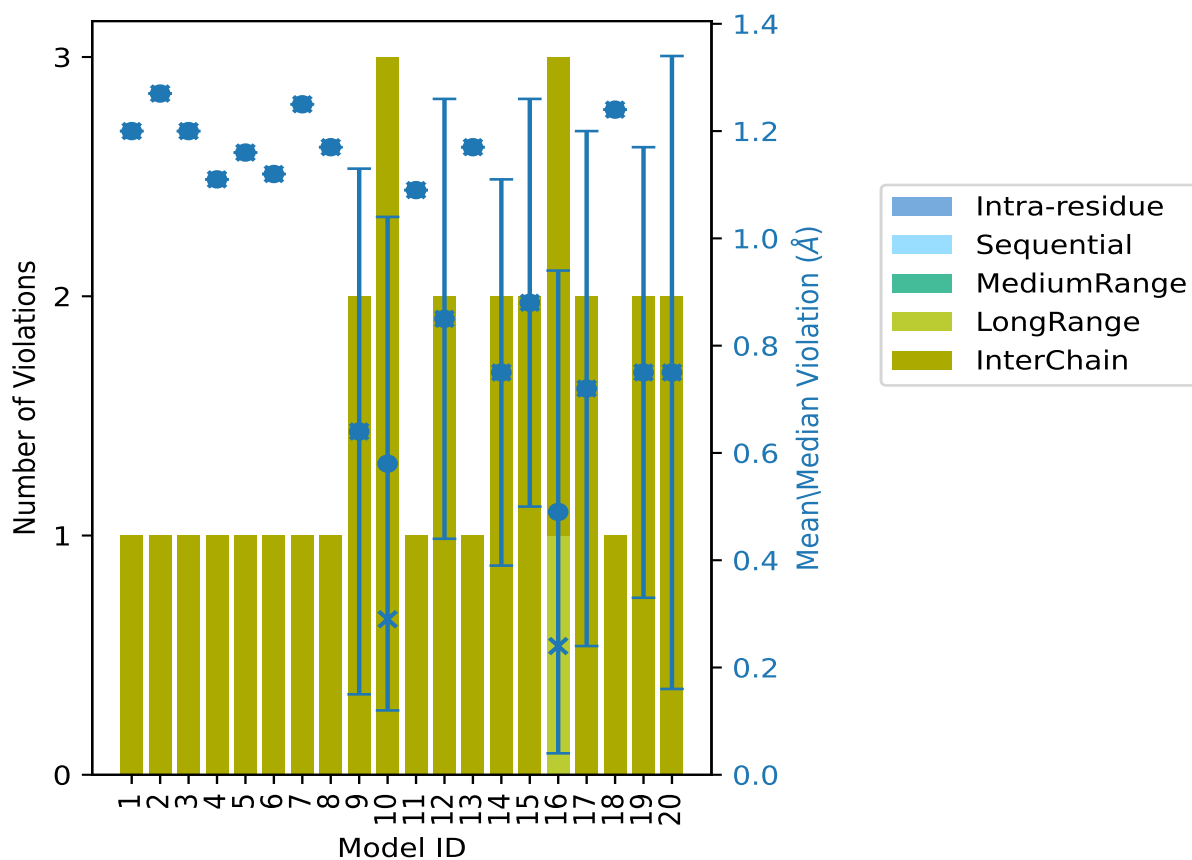
Continued on next page...

Continued from previous page...

| Model ID | Number of violations | | | | | | Mean (Å) | Max (Å) | SD ⁶ (Å) | Median (Å) |
|----------|----------------------|-----------------|-----------------|-----------------|-----------------|-------|----------|---------|---------------------|------------|
| | IR ¹ | SQ ² | MR ³ | LR ⁴ | IC ⁵ | Total | | | | |
| 12 | 0 | 0 | 0 | 0 | 2 | 2 | 0.85 | 1.26 | 0.41 | 0.85 |
| 13 | 0 | 0 | 0 | 0 | 1 | 1 | 1.17 | 1.17 | 0.0 | 1.17 |
| 14 | 0 | 0 | 0 | 0 | 2 | 2 | 0.75 | 1.11 | 0.36 | 0.75 |
| 15 | 0 | 0 | 0 | 0 | 2 | 2 | 0.88 | 1.26 | 0.38 | 0.88 |
| 16 | 0 | 0 | 0 | 1 | 2 | 3 | 0.49 | 1.12 | 0.45 | 0.24 |
| 17 | 0 | 0 | 0 | 0 | 2 | 2 | 0.72 | 1.2 | 0.48 | 0.72 |
| 18 | 0 | 0 | 0 | 0 | 1 | 1 | 1.24 | 1.24 | 0.0 | 1.24 |
| 19 | 0 | 0 | 0 | 0 | 2 | 2 | 0.75 | 1.17 | 0.42 | 0.75 |
| 20 | 0 | 0 | 0 | 0 | 2 | 2 | 0.75 | 1.34 | 0.59 | 0.75 |

¹Intra-residue restraints, ²Sequential restraints, ³Medium range restraints, ⁴Long range restraints, ⁵Inter-chain restraints, ⁶Standard deviation

9.2.1 Bar graph : Distance Violation statistics for each model [i](#)



The mean(dot),median(x) and the standard deviation are shown in blue with respect to the y axis on the right

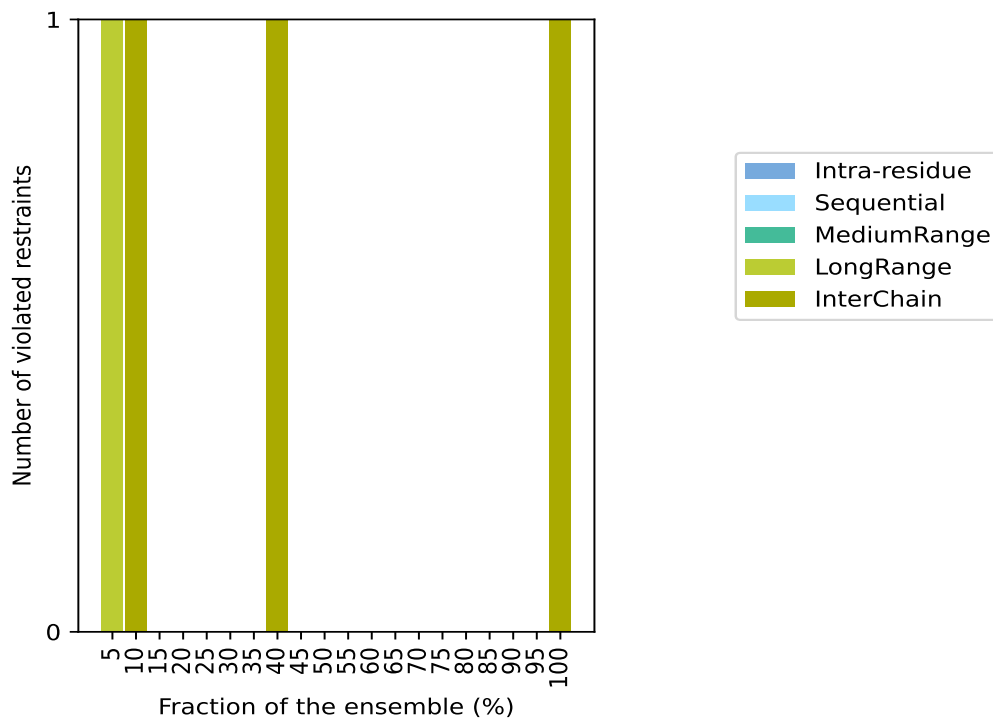
9.3 Distance violation statistics for the ensemble

Violation analysis may find that some restraints are violated in few models and some are violated in most of models. The following table provides this information as number of violated restraints for a given fraction of the ensemble. In total, 43(IR:0, SQ:0, MR:0, LR:11, IC:32) restraints are not violated in the ensemble.

| Number of violated restraints | | | | | | Fraction of the ensemble | |
|-------------------------------|-----------------|-----------------|-----------------|-----------------|-------|--------------------------|-------|
| IR ¹ | SQ ² | MR ³ | LR ⁴ | IC ⁵ | Total | Count ⁶ | % |
| 0 | 0 | 0 | 1 | 0 | 1 | 1 | 5.0 |
| 0 | 0 | 0 | 0 | 1 | 1 | 2 | 10.0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 3 | 15.0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 4 | 20.0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 5 | 25.0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 6 | 30.0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 7 | 35.0 |
| 0 | 0 | 0 | 0 | 1 | 1 | 8 | 40.0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 9 | 45.0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 10 | 50.0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 11 | 55.0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 12 | 60.0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 13 | 65.0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 14 | 70.0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 15 | 75.0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 16 | 80.0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 17 | 85.0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 18 | 90.0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 19 | 95.0 |
| 0 | 0 | 0 | 0 | 1 | 1 | 20 | 100.0 |

¹Intra-residue restraints, ²Sequential restraints, ³Medium range restraints, ⁴Long range restraints, ⁵Inter-chain restraints, ⁶ Number of models with violations

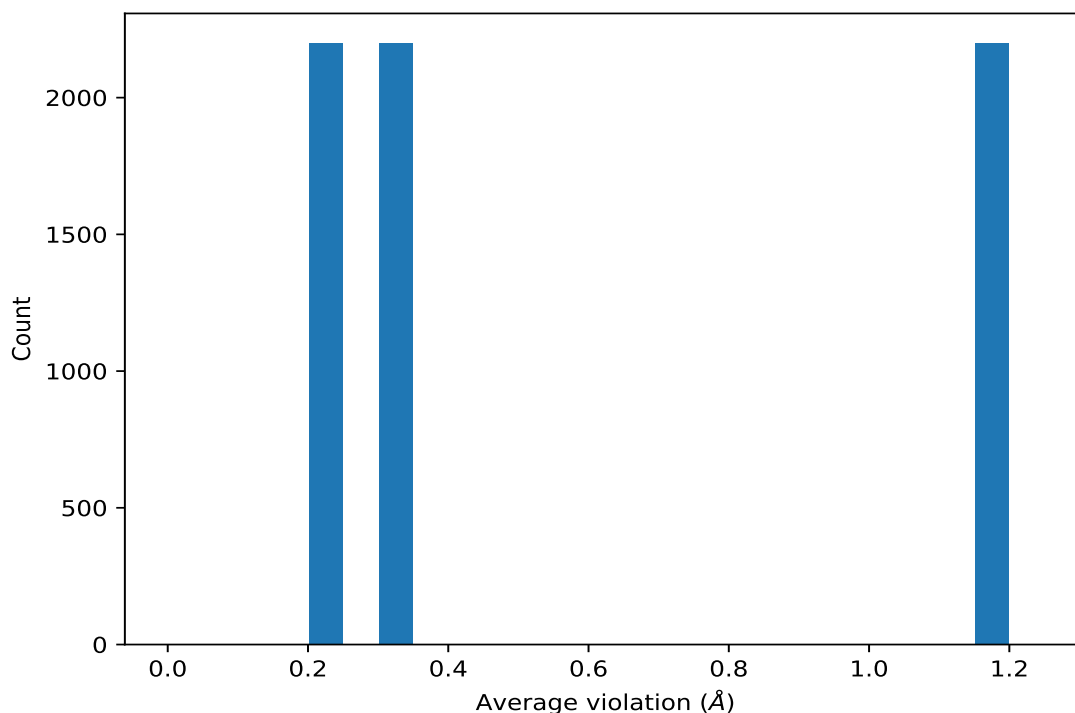
9.3.1 Bar graph : Distance violation statistics for the ensemble [i](#)



9.4 Most violated distance restraints in the ensemble [i](#)

9.4.1 Histogram : Distribution of mean distance violations [i](#)

The following histogram shows the distribution of the average value of the violation. The average is calculated for each restraint that is violated in more than one model over all the violated models in the ensemble



9.4.2 Table: Most violated distance restraints [i](#)

The following table provides the mean and the standard deviation of the violation for each restraint sorted by number of violated models and the mean value. The Key (restraint list ID, restraint ID) is the unique identifier for a given restraint. Rows with same key represent combinatorial or ambiguous restraints and are counted as a single restraint.

| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|---------------|-----------------|---------------------|----------|---------------------|------------|
| (1,34) | 1:A:253:ASN:C | 2:B:648:ACE:C | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:C | 2:B:648:ACE:CH3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:C | 2:B:648:ACE:H1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:C | 2:B:648:ACE:H2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:C | 2:B:648:ACE:H3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:C | 2:B:648:ACE:O | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:C | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:CA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:CB | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:CG | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:H | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:HA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:HB2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:HB3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:N | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:O | 20 | 1.19 | 0.07 | 1.18 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|---------------|------------------|---------------------|----------|---------------------|------------|
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:OD1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:OD2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:C | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:CA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:CB | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:CD | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:CG | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:H | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:HA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:HB2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:HB3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:HE21 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:HE22 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:HG2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:HG3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:N | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:NE2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:O | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:OE1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:C | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:CA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:CB | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:H | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:HA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:HB2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:HB3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:HG | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:N | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:O | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:OG | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:C | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:CA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:CB | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:CG | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:H | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:HA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:HB2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:HB3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:N | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:O | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:OD1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:OD2 | 20 | 1.19 | 0.07 | 1.18 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|---------------|-----------------|---------------------|----------|---------------------|------------|
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:C | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:CA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:CB | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:CD1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:CD2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:CE1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:CE2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:CG | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:CZ | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:H | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:HA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:HB2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:HB3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:HD1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:HD2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:HE1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:HE2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:HZ | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:N | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:O | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:C | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:CA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:CB | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:CD | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:CG | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:H | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:HA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:HB2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:HB3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:HG2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:HG3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:N | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:O | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:OE1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:OE2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:C | 2:B:655:GLY:C | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:C | 2:B:655:GLY:CA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:C | 2:B:655:GLY:H | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:C | 2:B:655:GLY:HA2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:C | 2:B:655:GLY:HA3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:C | 2:B:655:GLY:N | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:C | 2:B:655:GLY:O | 20 | 1.19 | 0.07 | 1.18 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|---------------|-----------------|---------------------|----------|---------------------|------------|
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:C | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:CA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:CB | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:CD1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:CD2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:CE1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:CE2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:CG | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:CZ | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:H | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:HA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:HB2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:HB3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:HD1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:HD2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:HE1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:HE2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:HZ | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:N | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:O | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:C | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:CA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:CB | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:H | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:HA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:HB3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:N | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:O | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:O1P | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:O2P | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:O3P | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:OG | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:P | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:C | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:CA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:CB | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:CD1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:CD2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:CE1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:CE2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:CG | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:CZ | 20 | 1.19 | 0.07 | 1.18 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|----------------|-----------------|---------------------|----------|---------------------|------------|
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:H | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:HA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:HB2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:HB3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:HD1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:HD2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:HE1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:HE2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:HH | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:N | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:O | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:OH | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:C | 2:B:659:NH2:HN1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:C | 2:B:659:NH2:HN2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:C | 2:B:659:NH2:N | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CA | 2:B:648:ACE:C | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CA | 2:B:648:ACE:CH3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CA | 2:B:648:ACE:H1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CA | 2:B:648:ACE:H2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CA | 2:B:648:ACE:H3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CA | 2:B:648:ACE:O | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:C | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:CA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:CB | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:CG | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:H | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:HA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:HB2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:HB3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:N | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:O | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:OD1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:OD2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:C | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:CA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:CB | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:CD | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:CG | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:H | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:HA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:HB2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:HB3 | 20 | 1.19 | 0.07 | 1.18 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|----------------|------------------|---------------------|----------|---------------------|------------|
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:HE21 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:HE22 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:HG2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:HG3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:N | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:NE2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:O | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:OE1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:C | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:CA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:CB | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:H | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:HA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:HB2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:HB3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:HG | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:N | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:O | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:OG | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:C | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:CA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:CB | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:CG | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:H | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:HA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:HB2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:HB3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:N | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:O | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:OD1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:OD2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:C | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:CA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:CB | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:CD1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:CD2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:CE1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:CE2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:CG | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:CZ | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:H | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:HA | 20 | 1.19 | 0.07 | 1.18 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|----------------|-----------------|---------------------|----------|---------------------|------------|
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:HB2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:HB3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:HD1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:HD2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:HE1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:HE2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:HZ | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:N | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:O | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:C | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:CA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:CB | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:CD | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:CG | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:H | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:HA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:HB2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:HB3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:HG2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:HG3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:N | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:O | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:OE1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:OE2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CA | 2:B:655:GLY:C | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CA | 2:B:655:GLY:CA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CA | 2:B:655:GLY:H | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CA | 2:B:655:GLY:HA2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CA | 2:B:655:GLY:HA3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CA | 2:B:655:GLY:N | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CA | 2:B:655:GLY:O | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:C | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:CA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:CB | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:CD1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:CD2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:CE1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:CE2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:CG | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:CZ | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:H | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:HA | 20 | 1.19 | 0.07 | 1.18 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|----------------|-----------------|---------------------|----------|---------------------|------------|
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:HB2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:HB3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:HD1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:HD2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:HE1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:HE2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:HZ | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:N | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:O | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:C | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:CA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:CB | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:H | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:HA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:HB3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:N | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:O | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:O1P | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:O2P | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:O3P | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:OG | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:P | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:C | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:CA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:CB | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:CD1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:CD2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:CE1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:CE2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:CG | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:CZ | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:H | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:HA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:HB2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:HB3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:HD1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:HD2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:HE1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:HE2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:HH | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:N | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:O | 20 | 1.19 | 0.07 | 1.18 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|----------------|------------------|---------------------|----------|---------------------|------------|
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:OH | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CA | 2:B:659:NH2:HN1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CA | 2:B:659:NH2:HN2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CA | 2:B:659:NH2:N | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CB | 2:B:648:ACE:C | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CB | 2:B:648:ACE:CH3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CB | 2:B:648:ACE:H1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CB | 2:B:648:ACE:H2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CB | 2:B:648:ACE:H3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CB | 2:B:648:ACE:O | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:C | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:CA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:CB | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:CG | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:H | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:HA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:HB2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:HB3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:N | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:O | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:OD1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:OD2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:C | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:CA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:CB | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:CD | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:CG | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:H | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:HA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:HB2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:HB3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:HE21 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:HE22 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:HG2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:HG3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:N | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:NE2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:O | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:OE1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:C | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:CA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:CB | 20 | 1.19 | 0.07 | 1.18 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|----------------|-----------------|---------------------|----------|---------------------|------------|
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:H | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:HA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:HB2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:HB3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:HG | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:N | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:O | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:OG | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:C | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:CA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:CB | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:CG | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:H | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:HA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:HB2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:HB3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:N | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:O | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:OD1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:OD2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:C | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:CA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:CB | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:CD1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:CD2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:CE1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:CE2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:CG | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:CZ | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:H | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:HA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:HB2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:HB3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:HD1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:HD2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:HE1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:HE2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:HZ | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:N | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:O | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:C | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:CA | 20 | 1.19 | 0.07 | 1.18 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|----------------|-----------------|---------------------|----------|---------------------|------------|
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:CB | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:CD | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:CG | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:H | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:HA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:HB2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:HB3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:HG2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:HG3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:N | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:O | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:OE1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:OE2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CB | 2:B:655:GLY:C | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CB | 2:B:655:GLY:CA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CB | 2:B:655:GLY:H | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CB | 2:B:655:GLY:HA2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CB | 2:B:655:GLY:HA3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CB | 2:B:655:GLY:N | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CB | 2:B:655:GLY:O | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:C | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:CA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:CB | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:CD1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:CD2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:CE1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:CE2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:CG | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:CZ | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:H | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:HA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:HB2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:HB3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:HD1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:HD2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:HE1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:HE2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:HZ | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:N | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:O | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:C | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:CA | 20 | 1.19 | 0.07 | 1.18 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|----------------|-----------------|---------------------|----------|---------------------|------------|
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:CB | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:H | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:HA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:HB3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:N | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:O | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:O1P | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:O2P | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:O3P | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:OG | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:P | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:C | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:CA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:CB | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:CD1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:CD2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:CE1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:CE2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:CG | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:CZ | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:H | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:HA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:HB2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:HB3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:HD1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:HD2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:HE1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:HE2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:HH | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:N | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:O | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:OH | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CB | 2:B:659:NH2:HN1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CB | 2:B:659:NH2:HN2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CB | 2:B:659:NH2:N | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CG | 2:B:648:ACE:C | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CG | 2:B:648:ACE:CH3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CG | 2:B:648:ACE:H1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CG | 2:B:648:ACE:H2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CG | 2:B:648:ACE:H3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CG | 2:B:648:ACE:O | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:C | 20 | 1.19 | 0.07 | 1.18 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|----------------|------------------|---------------------|----------|---------------------|------------|
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:CA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:CB | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:CG | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:H | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:HA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:HB2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:HB3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:N | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:O | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:OD1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:OD2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:C | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:CA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:CB | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:CD | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:CG | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:H | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:HA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:HB2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:HB3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:HE21 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:HE22 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:HG2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:HG3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:N | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:NE2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:O | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:OE1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:C | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:CA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:CB | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:H | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:HA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:HB2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:HB3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:HG | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:N | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:O | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:OG | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:C | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:CA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:CB | 20 | 1.19 | 0.07 | 1.18 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|----------------|-----------------|---------------------|----------|---------------------|------------|
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:CG | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:H | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:HA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:HB2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:HB3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:N | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:O | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:OD1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:OD2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:C | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:CA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:CB | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:CD1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:CD2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:CE1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:CE2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:CG | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:CZ | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:H | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:HA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:HB2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:HB3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:HD1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:HD2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:HE1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:HE2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:HZ | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:N | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:O | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:C | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:CA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:CB | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:CD | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:CG | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:H | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:HA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:HB2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:HB3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:HG2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:HG3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:N | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:O | 20 | 1.19 | 0.07 | 1.18 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|----------------|-----------------|---------------------|----------|---------------------|------------|
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:OE1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:OE2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CG | 2:B:655:GLY:C | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CG | 2:B:655:GLY:CA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CG | 2:B:655:GLY:H | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CG | 2:B:655:GLY:HA2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CG | 2:B:655:GLY:HA3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CG | 2:B:655:GLY:N | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CG | 2:B:655:GLY:O | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:C | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:CA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:CB | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:CD1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:CD2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:CE1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:CE2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:CG | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:CZ | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:H | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:HA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:HB2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:HB3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:HD1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:HD2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:HE1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:HE2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:HZ | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:N | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:O | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:C | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:CA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:CB | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:H | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:HA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:HB3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:N | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:O | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:O1P | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:O2P | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:O3P | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:OG | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:P | 20 | 1.19 | 0.07 | 1.18 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|----------------|-----------------|---------------------|----------|---------------------|------------|
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:C | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:CA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:CB | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:CD1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:CD2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:CE1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:CE2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:CG | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:CZ | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:H | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:HA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:HB2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:HB3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:HD1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:HD2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:HE1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:HE2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:HH | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:N | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:O | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:OH | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CG | 2:B:659:NH2:HN1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CG | 2:B:659:NH2:HN2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:CG | 2:B:659:NH2:N | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:H | 2:B:648:ACE:C | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:H | 2:B:648:ACE:CH3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:H | 2:B:648:ACE:H1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:H | 2:B:648:ACE:H2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:H | 2:B:648:ACE:H3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:H | 2:B:648:ACE:O | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:C | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:CA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:CB | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:CG | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:H | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:HA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:HB2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:HB3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:N | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:O | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:OD1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:OD2 | 20 | 1.19 | 0.07 | 1.18 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|---------------|------------------|---------------------|----------|---------------------|------------|
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:C | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:CA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:CB | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:CD | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:CG | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:H | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:HA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:HB2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:HB3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:HE21 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:HE22 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:HG2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:HG3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:N | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:NE2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:O | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:OE1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:C | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:CA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:CB | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:H | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:HA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:HB2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:HB3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:HG | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:N | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:O | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:OG | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:C | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:CA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:CB | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:CG | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:H | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:HA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:HB2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:HB3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:N | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:O | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:OD1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:OD2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:C | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:CA | 20 | 1.19 | 0.07 | 1.18 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|---------------|-----------------|---------------------|----------|---------------------|------------|
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:CB | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:CD1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:CD2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:CE1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:CE2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:CG | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:CZ | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:H | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:HA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:HB2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:HB3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:HD1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:HD2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:HE1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:HE2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:HZ | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:N | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:O | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:C | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:CA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:CB | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:CD | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:CG | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:H | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:HA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:HB2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:HB3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:HG2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:HG3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:N | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:O | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:OE1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:OE2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:H | 2:B:655:GLY:C | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:H | 2:B:655:GLY:CA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:H | 2:B:655:GLY:H | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:H | 2:B:655:GLY:HA2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:H | 2:B:655:GLY:HA3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:H | 2:B:655:GLY:N | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:H | 2:B:655:GLY:O | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:C | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:CA | 20 | 1.19 | 0.07 | 1.18 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|---------------|-----------------|---------------------|----------|---------------------|------------|
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:CB | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:CD1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:CD2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:CE1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:CE2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:CG | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:CZ | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:H | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:HA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:HB2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:HB3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:HD1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:HD2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:HE1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:HE2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:HZ | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:N | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:O | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:C | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:CA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:CB | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:H | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:HA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:HB3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:N | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:O | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:O1P | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:O2P | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:O3P | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:OG | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:P | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:C | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:CA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:CB | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:CD1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:CD2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:CE1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:CE2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:CG | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:CZ | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:H | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:HA | 20 | 1.19 | 0.07 | 1.18 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|----------------|------------------|---------------------|----------|---------------------|------------|
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:HB2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:HB3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:HD1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:HD2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:HE1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:HE2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:HH | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:N | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:O | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:OH | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:H | 2:B:659:NH2:HN1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:H | 2:B:659:NH2:HN2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:H | 2:B:659:NH2:N | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HA | 2:B:648:ACE:C | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HA | 2:B:648:ACE:CH3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HA | 2:B:648:ACE:H1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HA | 2:B:648:ACE:H2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HA | 2:B:648:ACE:H3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HA | 2:B:648:ACE:O | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:C | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:CA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:CB | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:CG | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:H | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:HA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:HB2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:HB3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:N | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:O | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:OD1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:OD2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:C | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:CA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:CB | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:CD | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:CG | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:H | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:HA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:HB2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:HB3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:HE21 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:HE22 | 20 | 1.19 | 0.07 | 1.18 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|----------------|-----------------|---------------------|----------|---------------------|------------|
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:HG2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:HG3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:N | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:NE2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:O | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:OE1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:C | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:CA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:CB | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:H | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:HA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:HB2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:HB3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:HG | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:N | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:O | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:OG | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:C | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:CA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:CB | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:CG | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:H | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:HA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:HB2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:HB3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:N | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:O | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:OD1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:OD2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:C | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:CA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:CB | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:CD1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:CD2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:CE1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:CE2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:CG | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:CZ | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:H | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:HA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:HB2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:HB3 | 20 | 1.19 | 0.07 | 1.18 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|----------------|-----------------|---------------------|----------|---------------------|------------|
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:HD1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:HD2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:HE1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:HE2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:HZ | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:N | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:O | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:C | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:CA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:CB | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:CD | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:CG | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:H | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:HA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:HB2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:HB3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:HG2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:HG3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:N | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:O | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:OE1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:OE2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HA | 2:B:655:GLY:C | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HA | 2:B:655:GLY:CA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HA | 2:B:655:GLY:H | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HA | 2:B:655:GLY:HA2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HA | 2:B:655:GLY:HA3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HA | 2:B:655:GLY:N | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HA | 2:B:655:GLY:O | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:C | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:CA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:CB | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:CD1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:CD2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:CE1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:CE2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:CG | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:CZ | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:H | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:HA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:HB2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:HB3 | 20 | 1.19 | 0.07 | 1.18 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|----------------|-----------------|---------------------|----------|---------------------|------------|
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:HD1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:HD2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:HE1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:HE2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:HZ | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:N | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:O | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:C | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:CA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:CB | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:H | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:HA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:HB3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:N | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:O | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:O1P | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:O2P | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:O3P | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:OG | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:P | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:C | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:CA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:CB | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:CD1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:CD2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:CE1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:CE2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:CG | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:CZ | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:H | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:HA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:HB2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:HB3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:HD1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:HD2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:HE1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:HE2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:HH | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:N | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:O | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:OH | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HA | 2:B:659:NH2:HN1 | 20 | 1.19 | 0.07 | 1.18 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|-----------------|------------------|---------------------|----------|---------------------|------------|
| (1,34) | 1:A:253:ASN:HA | 2:B:659:NH2:HN2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HA | 2:B:659:NH2:N | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:648:ACE:C | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:648:ACE:CH3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:648:ACE:H1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:648:ACE:H2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:648:ACE:H3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:648:ACE:O | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:C | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:CA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:CB | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:CG | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:H | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:HA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:HB2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:HB3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:N | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:O | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:OD1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:OD2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:C | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:CA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:CB | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:CD | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:CG | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:H | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:HA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:HB2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:HB3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:HE21 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:HE22 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:HG2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:HG3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:N | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:NE2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:O | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:OE1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:C | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:CA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:CB | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:H | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:HA | 20 | 1.19 | 0.07 | 1.18 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|-----------------|-----------------|---------------------|----------|---------------------|------------|
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:HB2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:HB3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:HG | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:N | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:O | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:OG | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:C | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:CA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:CB | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:CG | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:H | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:HA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:HB2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:HB3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:N | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:O | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:OD1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:OD2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:C | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:CA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:CB | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:CD1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:CD2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:CE1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:CE2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:CG | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:CZ | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:H | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:HA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:HB2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:HB3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:HD1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:HD2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:HE1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:HE2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:HZ | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:N | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:O | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:C | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:CA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:CB | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:CD | 20 | 1.19 | 0.07 | 1.18 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|-----------------|-----------------|---------------------|----------|---------------------|------------|
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:CG | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:H | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:HA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:HB2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:HB3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:HG2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:HG3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:N | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:O | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:OE1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:OE2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:655:GLY:C | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:655:GLY:CA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:655:GLY:H | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:655:GLY:HA2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:655:GLY:HA3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:655:GLY:N | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:655:GLY:O | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:C | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:CA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:CB | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:CD1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:CD2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:CE1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:CE2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:CG | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:CZ | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:H | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:HA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:HB2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:HB3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:HD1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:HD2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:HE1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:HE2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:HZ | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:N | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:O | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:C | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:CA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:CB | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:H | 20 | 1.19 | 0.07 | 1.18 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|-----------------|-----------------|---------------------|----------|---------------------|------------|
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:HA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:HB3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:N | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:O | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:O1P | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:O2P | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:O3P | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:OG | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:P | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:C | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:CA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:CB | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:CD1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:CD2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:CE1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:CE2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:CG | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:CZ | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:H | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:HA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:HB2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:HB3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:HD1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:HD2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:HE1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:HE2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:HH | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:N | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:O | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:OH | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:659:NH2:HN1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:659:NH2:HN2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:659:NH2:N | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:648:ACE:C | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:648:ACE:CH3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:648:ACE:H1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:648:ACE:H2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:648:ACE:H3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:648:ACE:O | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:C | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:CA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:CB | 20 | 1.19 | 0.07 | 1.18 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|-----------------|------------------|---------------------|----------|---------------------|------------|
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:CG | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:H | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:HA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:HB2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:HB3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:N | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:O | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:OD1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:OD2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:C | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:CA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:CB | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:CD | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:CG | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:H | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:HA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:HB2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:HB3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:HE21 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:HE22 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:HG2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:HG3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:N | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:NE2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:O | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:OE1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:C | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:CA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:CB | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:H | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:HA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:HB2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:HB3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:HG | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:N | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:O | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:OG | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:C | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:CA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:CB | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:CG | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:H | 20 | 1.19 | 0.07 | 1.18 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|-----------------|-----------------|---------------------|----------|---------------------|------------|
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:HA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:HB2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:HB3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:N | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:O | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:OD1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:OD2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:C | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:CA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:CB | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:CD1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:CD2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:CE1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:CE2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:CG | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:CZ | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:H | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:HA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:HB2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:HB3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:HD1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:HD2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:HE1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:HE2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:HZ | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:N | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:O | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:C | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:CA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:CB | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:CD | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:CG | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:H | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:HA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:HB2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:HB3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:HG2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:HG3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:N | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:O | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:OE1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:OE2 | 20 | 1.19 | 0.07 | 1.18 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|-----------------|-----------------|---------------------|----------|---------------------|------------|
| (1,34) | 1:A:253:ASN:HB3 | 2:B:655:GLY:C | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:655:GLY:CA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:655:GLY:H | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:655:GLY:HA2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:655:GLY:HA3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:655:GLY:N | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:655:GLY:O | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:C | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:CA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:CB | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:CD1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:CD2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:CE1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:CE2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:CG | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:CZ | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:H | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:HA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:HB2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:HB3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:HD1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:HD2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:HE1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:HE2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:HZ | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:N | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:O | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:C | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:CA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:CB | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:H | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:HA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:HB3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:N | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:O | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:O1P | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:O2P | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:O3P | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:OG | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:P | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:C | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:CA | 20 | 1.19 | 0.07 | 1.18 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|------------------|-----------------|---------------------|----------|---------------------|------------|
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:CB | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:CD1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:CD2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:CE1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:CE2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:CG | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:CZ | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:H | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:HA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:HB2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:HB3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:HD1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:HD2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:HE1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:HE2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:HH | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:N | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:O | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:OH | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:659:NH2:HN1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:659:NH2:HN2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:659:NH2:N | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:648:ACE:C | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:648:ACE:CH3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:648:ACE:H1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:648:ACE:H2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:648:ACE:H3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:648:ACE:O | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:C | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:CA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:CB | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:CG | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:H | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:HA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:HB2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:HB3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:N | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:O | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:OD1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:OD2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:C | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:CA | 20 | 1.19 | 0.07 | 1.18 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|------------------|------------------|---------------------|----------|---------------------|------------|
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:CB | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:CD | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:CG | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:H | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:HA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:HB2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:HB3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:HE21 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:HE22 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:HG2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:HG3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:N | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:NE2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:O | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:OE1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:C | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:CA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:CB | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:H | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:HA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:HB2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:HB3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:HG | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:N | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:O | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:OG | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:C | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:CA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:CB | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:CG | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:H | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:HA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:HB2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:HB3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:N | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:O | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:OD1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:OD2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:C | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:CA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:CB | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:CD1 | 20 | 1.19 | 0.07 | 1.18 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|------------------|-----------------|---------------------|----------|---------------------|------------|
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:CD2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:CE1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:CE2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:CG | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:CZ | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:H | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:HA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:HB2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:HB3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:HD1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:HD2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:HE1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:HE2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:HZ | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:N | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:O | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:C | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:CA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:CB | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:CD | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:CG | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:H | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:HA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:HB2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:HB3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:HG2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:HG3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:N | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:O | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:OE1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:OE2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:655:GLY:C | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:655:GLY:CA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:655:GLY:H | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:655:GLY:HA2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:655:GLY:HA3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:655:GLY:N | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:655:GLY:O | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:C | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:CA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:CB | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:CD1 | 20 | 1.19 | 0.07 | 1.18 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|------------------|-----------------|---------------------|----------|---------------------|------------|
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:CD2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:CE1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:CE2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:CG | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:CZ | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:H | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:HA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:HB2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:HB3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:HD1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:HD2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:HE1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:HE2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:HZ | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:N | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:O | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:C | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:CA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:CB | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:H | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:HA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:HB3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:N | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:O | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:O1P | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:O2P | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:O3P | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:OG | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:P | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:C | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:CA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:CB | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:CD1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:CD2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:CE1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:CE2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:CG | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:CZ | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:H | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:HA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:HB2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:HB3 | 20 | 1.19 | 0.07 | 1.18 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|------------------|------------------|---------------------|----------|---------------------|------------|
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:HD1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:HD2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:HE1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:HE2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:HH | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:N | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:O | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:OH | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:659:NH2:HN1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:659:NH2:HN2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:659:NH2:N | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:648:ACE:C | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:648:ACE:CH3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:648:ACE:H1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:648:ACE:H2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:648:ACE:H3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:648:ACE:O | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:C | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:CA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:CB | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:CG | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:H | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:HA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:HB2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:HB3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:N | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:O | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:OD1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:OD2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:C | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:CA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:CB | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:CD | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:CG | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:H | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:HA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:HB2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:HB3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:HE21 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:HE22 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:HG2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:HG3 | 20 | 1.19 | 0.07 | 1.18 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|------------------|-----------------|---------------------|----------|---------------------|------------|
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:N | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:NE2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:O | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:OE1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:C | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:CA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:CB | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:H | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:HA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:HB2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:HB3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:HG | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:N | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:O | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:OG | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:C | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:CA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:CB | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:CG | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:H | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:HA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:HB2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:HB3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:N | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:O | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:OD1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:OD2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:C | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:CA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:CB | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:CD1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:CD2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:CE1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:CE2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:CG | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:CZ | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:H | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:HA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:HB2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:HB3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:HD1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:HD2 | 20 | 1.19 | 0.07 | 1.18 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|------------------|-----------------|---------------------|----------|---------------------|------------|
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:HE1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:HE2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:HZ | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:N | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:O | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:C | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:CA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:CB | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:CD | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:CG | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:H | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:HA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:HB2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:HB3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:HG2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:HG3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:N | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:O | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:OE1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:OE2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:655:GLY:C | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:655:GLY:CA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:655:GLY:H | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:655:GLY:HA2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:655:GLY:HA3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:655:GLY:N | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:655:GLY:O | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:C | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:CA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:CB | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:CD1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:CD2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:CE1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:CE2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:CG | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:CZ | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:H | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:HA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:HB2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:HB3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:HD1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:HD2 | 20 | 1.19 | 0.07 | 1.18 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|------------------|-----------------|---------------------|----------|---------------------|------------|
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:HE1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:HE2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:HZ | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:N | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:O | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:C | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:CA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:CB | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:H | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:HA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:HB3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:N | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:O | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:O1P | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:O2P | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:O3P | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:OG | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:P | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:C | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:CA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:CB | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:CD1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:CD2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:CE1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:CE2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:CG | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:CZ | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:H | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:HA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:HB2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:HB3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:HD1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:HD2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:HE1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:HE2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:HH | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:N | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:O | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:OH | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:659:NH2:HN1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:659:NH2:HN2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:659:NH2:N | 20 | 1.19 | 0.07 | 1.18 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|---------------|------------------|---------------------|----------|---------------------|------------|
| (1,34) | 1:A:253:ASN:N | 2:B:648:ACE:C | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:N | 2:B:648:ACE:CH3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:N | 2:B:648:ACE:H1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:N | 2:B:648:ACE:H2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:N | 2:B:648:ACE:H3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:N | 2:B:648:ACE:O | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:C | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:CA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:CB | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:CG | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:H | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:HA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:HB2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:HB3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:N | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:O | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:OD1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:OD2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:C | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:CA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:CB | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:CD | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:CG | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:H | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:HA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:HB2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:HB3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:HE21 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:HE22 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:HG2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:HG3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:N | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:NE2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:O | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:OE1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:C | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:CA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:CB | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:H | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:HA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:HB2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:HB3 | 20 | 1.19 | 0.07 | 1.18 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|---------------|-----------------|---------------------|----------|---------------------|------------|
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:HG | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:N | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:O | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:OG | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:C | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:CA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:CB | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:CG | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:H | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:HA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:HB2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:HB3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:N | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:O | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:OD1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:OD2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:C | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:CA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:CB | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:CD1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:CD2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:CE1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:CE2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:CG | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:CZ | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:H | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:HA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:HB2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:HB3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:HD1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:HD2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:HE1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:HE2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:HZ | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:N | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:O | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:C | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:CA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:CB | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:CD | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:CG | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:H | 20 | 1.19 | 0.07 | 1.18 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|---------------|-----------------|---------------------|----------|---------------------|------------|
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:HA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:HB2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:HB3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:HG2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:HG3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:N | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:O | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:OE1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:OE2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:N | 2:B:655:GLY:C | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:N | 2:B:655:GLY:CA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:N | 2:B:655:GLY:H | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:N | 2:B:655:GLY:HA2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:N | 2:B:655:GLY:HA3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:N | 2:B:655:GLY:N | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:N | 2:B:655:GLY:O | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:C | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:CA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:CB | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:CD1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:CD2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:CE1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:CE2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:CG | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:CZ | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:H | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:HA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:HB2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:HB3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:HD1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:HD2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:HE1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:HE2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:HZ | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:N | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:O | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:C | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:CA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:CB | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:H | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:HA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:HB3 | 20 | 1.19 | 0.07 | 1.18 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|-----------------|-----------------|---------------------|----------|---------------------|------------|
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:N | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:O | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:O1P | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:O2P | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:O3P | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:OG | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:P | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:C | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:CA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:CB | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:CD1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:CD2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:CE1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:CE2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:CG | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:CZ | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:H | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:HA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:HB2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:HB3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:HD1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:HD2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:HE1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:HE2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:HH | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:N | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:O | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:OH | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:N | 2:B:659:NH2:HN1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:N | 2:B:659:NH2:HN2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:N | 2:B:659:NH2:N | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:648:ACE:C | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:648:ACE:CH3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:648:ACE:H1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:648:ACE:H2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:648:ACE:H3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:648:ACE:O | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:C | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:CA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:CB | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:CG | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:H | 20 | 1.19 | 0.07 | 1.18 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|-----------------|------------------|---------------------|----------|---------------------|------------|
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:HA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:HB2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:HB3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:N | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:O | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:OD1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:OD2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:C | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:CA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:CB | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:CD | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:CG | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:H | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:HA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:HB2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:HB3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:HE21 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:HE22 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:HG2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:HG3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:N | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:NE2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:O | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:OE1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:C | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:CA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:CB | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:H | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:HA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:HB2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:HB3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:HG | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:N | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:O | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:OG | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:C | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:CA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:CB | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:CG | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:H | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:HA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:HB2 | 20 | 1.19 | 0.07 | 1.18 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|-----------------|-----------------|---------------------|----------|---------------------|------------|
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:HB3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:N | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:O | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:OD1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:OD2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:C | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:CA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:CB | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:CD1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:CD2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:CE1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:CE2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:CG | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:CZ | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:H | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:HA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:HB2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:HB3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:HD1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:HD2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:HE1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:HE2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:HZ | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:N | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:O | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:C | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:CA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:CB | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:CD | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:CG | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:H | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:HA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:HB2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:HB3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:HG2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:HG3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:N | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:O | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:OE1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:OE2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:655:GLY:C | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:655:GLY:CA | 20 | 1.19 | 0.07 | 1.18 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|-----------------|-----------------|---------------------|----------|---------------------|------------|
| (1,34) | 1:A:253:ASN:ND2 | 2:B:655:GLY:H | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:655:GLY:HA2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:655:GLY:HA3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:655:GLY:N | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:655:GLY:O | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:C | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:CA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:CB | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:CD1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:CD2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:CE1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:CE2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:CG | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:CZ | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:H | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:HA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:HB2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:HB3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:HD1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:HD2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:HE1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:HE2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:HZ | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:N | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:O | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:C | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:CA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:CB | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:H | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:HA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:HB3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:N | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:O | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:O1P | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:O2P | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:O3P | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:OG | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:P | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:C | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:CA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:CB | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:CD1 | 20 | 1.19 | 0.07 | 1.18 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|-----------------|-----------------|---------------------|----------|---------------------|------------|
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:CD2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:CE1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:CE2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:CG | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:CZ | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:H | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:HA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:HB2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:HB3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:HD1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:HD2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:HE1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:HE2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:HH | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:N | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:O | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:OH | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:659:NH2:HN1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:659:NH2:HN2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:659:NH2:N | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:O | 2:B:648:ACE:C | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:O | 2:B:648:ACE:CH3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:O | 2:B:648:ACE:H1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:O | 2:B:648:ACE:H2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:O | 2:B:648:ACE:H3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:O | 2:B:648:ACE:O | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:C | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:CA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:CB | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:CG | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:H | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:HA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:HB2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:HB3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:N | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:O | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:OD1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:OD2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:C | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:CA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:CB | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:CD | 20 | 1.19 | 0.07 | 1.18 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|---------------|------------------|---------------------|----------|---------------------|------------|
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:CG | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:H | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:HA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:HB2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:HB3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:HE21 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:HE22 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:HG2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:HG3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:N | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:NE2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:O | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:OE1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:C | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:CA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:CB | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:H | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:HA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:HB2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:HB3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:HG | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:N | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:O | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:OG | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:C | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:CA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:CB | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:CG | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:H | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:HA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:HB2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:HB3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:N | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:O | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:OD1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:OD2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:C | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:CA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:CB | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:CD1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:CD2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:CE1 | 20 | 1.19 | 0.07 | 1.18 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|---------------|-----------------|---------------------|----------|---------------------|------------|
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:CE2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:CG | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:CZ | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:H | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:HA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:HB2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:HB3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:HD1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:HD2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:HE1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:HE2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:HZ | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:N | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:O | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:C | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:CA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:CB | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:CD | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:CG | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:H | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:HA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:HB2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:HB3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:HG2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:HG3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:N | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:O | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:OE1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:OE2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:O | 2:B:655:GLY:C | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:O | 2:B:655:GLY:CA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:O | 2:B:655:GLY:H | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:O | 2:B:655:GLY:HA2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:O | 2:B:655:GLY:HA3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:O | 2:B:655:GLY:N | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:O | 2:B:655:GLY:O | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:C | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:CA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:CB | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:CD1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:CD2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:CE1 | 20 | 1.19 | 0.07 | 1.18 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|---------------|-----------------|---------------------|----------|---------------------|------------|
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:CE2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:CG | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:CZ | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:H | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:HA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:HB2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:HB3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:HD1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:HD2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:HE1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:HE2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:HZ | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:N | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:O | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:C | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:CA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:CB | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:H | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:HA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:HB3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:N | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:O | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:O1P | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:O2P | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:O3P | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:OG | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:P | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:C | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:CA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:CB | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:CD1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:CD2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:CE1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:CE2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:CG | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:CZ | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:H | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:HA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:HB2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:HB3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:HD1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:HD2 | 20 | 1.19 | 0.07 | 1.18 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|-----------------|------------------|---------------------|----------|---------------------|------------|
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:HE1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:HE2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:HH | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:N | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:O | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:OH | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:O | 2:B:659:NH2:HN1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:O | 2:B:659:NH2:HN2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:O | 2:B:659:NH2:N | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:648:ACE:C | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:648:ACE:CH3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:648:ACE:H1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:648:ACE:H2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:648:ACE:H3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:648:ACE:O | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:C | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:CA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:CB | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:CG | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:H | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:HA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:HB2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:HB3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:N | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:O | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:OD1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:OD2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:C | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:CA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:CB | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:CD | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:CG | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:H | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:HA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:HB2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:HB3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:HE21 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:HE22 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:HG2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:HG3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:N | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:NE2 | 20 | 1.19 | 0.07 | 1.18 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|-----------------|-----------------|---------------------|----------|---------------------|------------|
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:O | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:OE1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:C | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:CA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:CB | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:H | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:HA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:HB2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:HB3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:HG | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:N | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:O | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:OG | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:C | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:CA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:CB | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:CG | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:H | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:HA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:HB2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:HB3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:N | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:O | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:OD1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:OD2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:C | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:CA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:CB | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:CD1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:CD2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:CE1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:CE2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:CG | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:CZ | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:H | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:HA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:HB2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:HB3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:HD1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:HD2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:HE1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:HE2 | 20 | 1.19 | 0.07 | 1.18 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|-----------------|-----------------|---------------------|----------|---------------------|------------|
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:HZ | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:N | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:O | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:C | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:CA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:CB | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:CD | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:CG | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:H | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:HA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:HB2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:HB3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:HG2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:HG3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:N | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:O | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:OE1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:OE2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:655:GLY:C | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:655:GLY:CA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:655:GLY:H | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:655:GLY:HA2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:655:GLY:HA3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:655:GLY:N | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:655:GLY:O | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:C | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:CA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:CB | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:CD1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:CD2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:CE1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:CE2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:CG | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:CZ | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:H | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:HA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:HB2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:HB3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:HD1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:HD2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:HE1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:HE2 | 20 | 1.19 | 0.07 | 1.18 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|-----------------|-----------------|---------------------|----------|---------------------|------------|
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:HZ | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:N | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:O | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:C | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:CA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:CB | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:H | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:HA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:HB3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:N | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:O | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:O1P | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:O2P | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:O3P | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:OG | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:P | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:C | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:CA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:CB | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:CD1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:CD2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:CE1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:CE2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:CG | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:CZ | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:H | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:HA | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:HB2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:HB3 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:HD1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:HD2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:HE1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:HE2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:HH | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:N | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:O | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:OH | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:659:NH2:HN1 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:659:NH2:HN2 | 20 | 1.19 | 0.07 | 1.18 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:659:NH2:N | 20 | 1.19 | 0.07 | 1.18 |
| (1,37) | 1:A:250:THR:C | 2:B:648:ACE:C | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:C | 2:B:648:ACE:CH3 | 8 | 0.31 | 0.12 | 0.31 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|---------------|------------------|---------------------|----------|---------------------|------------|
| (1,37) | 1:A:250:THR:C | 2:B:648:ACE:H1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:C | 2:B:648:ACE:H2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:C | 2:B:648:ACE:H3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:C | 2:B:648:ACE:O | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:C | 2:B:649:ASP:C | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:C | 2:B:649:ASP:CA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:C | 2:B:649:ASP:CB | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:C | 2:B:649:ASP:CG | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:C | 2:B:649:ASP:H | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:C | 2:B:649:ASP:HA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:C | 2:B:649:ASP:HB2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:C | 2:B:649:ASP:HB3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:C | 2:B:649:ASP:N | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:C | 2:B:649:ASP:O | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:C | 2:B:649:ASP:OD1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:C | 2:B:649:ASP:OD2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:C | 2:B:650:GLN:C | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:C | 2:B:650:GLN:CA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:C | 2:B:650:GLN:CB | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:C | 2:B:650:GLN:CD | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:C | 2:B:650:GLN:CG | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:C | 2:B:650:GLN:H | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:C | 2:B:650:GLN:HA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:C | 2:B:650:GLN:HB2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:C | 2:B:650:GLN:HB3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:C | 2:B:650:GLN:HE21 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:C | 2:B:650:GLN:HE22 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:C | 2:B:650:GLN:HG2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:C | 2:B:650:GLN:HG3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:C | 2:B:650:GLN:N | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:C | 2:B:650:GLN:NE2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:C | 2:B:650:GLN:O | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:C | 2:B:650:GLN:OE1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:C | 2:B:651:SER:C | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:C | 2:B:651:SER:CA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:C | 2:B:651:SER:CB | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:C | 2:B:651:SER:H | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:C | 2:B:651:SER:HA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:C | 2:B:651:SER:HB2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:C | 2:B:651:SER:HB3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:C | 2:B:651:SER:HG | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:C | 2:B:651:SER:N | 8 | 0.31 | 0.12 | 0.31 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|---------------|-----------------|---------------------|----------|---------------------|------------|
| (1,37) | 1:A:250:THR:C | 2:B:651:SER:O | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:C | 2:B:651:SER:OG | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:C | 2:B:652:ASP:C | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:C | 2:B:652:ASP:CA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:C | 2:B:652:ASP:CB | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:C | 2:B:652:ASP:CG | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:C | 2:B:652:ASP:H | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:C | 2:B:652:ASP:HA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:C | 2:B:652:ASP:HB2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:C | 2:B:652:ASP:HB3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:C | 2:B:652:ASP:N | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:C | 2:B:652:ASP:O | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:C | 2:B:652:ASP:OD1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:C | 2:B:652:ASP:OD2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:C | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:CA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:CB | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:CD1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:CD2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:CE1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:CE2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:CG | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:CZ | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:H | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:HA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:HB2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:HB3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:HD1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:HD2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:HE1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:HE2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:HZ | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:N | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:O | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:C | 2:B:654:GLU:C | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:C | 2:B:654:GLU:CA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:C | 2:B:654:GLU:CB | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:C | 2:B:654:GLU:CD | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:C | 2:B:654:GLU:CG | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:C | 2:B:654:GLU:H | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:C | 2:B:654:GLU:HA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:C | 2:B:654:GLU:HB2 | 8 | 0.31 | 0.12 | 0.31 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|---------------|-----------------|---------------------|----------|---------------------|------------|
| (1,37) | 1:A:250:THR:C | 2:B:654:GLU:HB3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:C | 2:B:654:GLU:HG2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:C | 2:B:654:GLU:HG3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:C | 2:B:654:GLU:N | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:C | 2:B:654:GLU:O | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:C | 2:B:654:GLU:OE1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:C | 2:B:654:GLU:OE2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:C | 2:B:655:GLY:C | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:C | 2:B:655:GLY:CA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:C | 2:B:655:GLY:H | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:C | 2:B:655:GLY:HA2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:C | 2:B:655:GLY:HA3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:C | 2:B:655:GLY:N | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:C | 2:B:655:GLY:O | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:C | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:CA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:CB | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:CD1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:CD2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:CE1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:CE2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:CG | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:CZ | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:H | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:HA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:HB2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:HB3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:HD1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:HD2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:HE1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:HE2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:HZ | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:N | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:O | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:C | 2:B:657:SEP:C | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:C | 2:B:657:SEP:CA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:C | 2:B:657:SEP:CB | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:C | 2:B:657:SEP:H | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:C | 2:B:657:SEP:HA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:C | 2:B:657:SEP:HB3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:C | 2:B:657:SEP:N | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:C | 2:B:657:SEP:O | 8 | 0.31 | 0.12 | 0.31 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|----------------|-----------------|---------------------|----------|---------------------|------------|
| (1,37) | 1:A:250:THR:C | 2:B:657:SEP:O1P | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:C | 2:B:657:SEP:O2P | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:C | 2:B:657:SEP:O3P | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:C | 2:B:657:SEP:OG | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:C | 2:B:657:SEP:P | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:C | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:CA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:CB | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:CD1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:CD2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:CE1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:CE2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:CG | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:CZ | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:H | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:HA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:HB2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:HB3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:HD1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:HD2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:HE1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:HE2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:HH | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:N | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:O | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:OH | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:C | 2:B:659:NH2:HN1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:C | 2:B:659:NH2:HN2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:C | 2:B:659:NH2:N | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CA | 2:B:648:ACE:C | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CA | 2:B:648:ACE:CH3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CA | 2:B:648:ACE:H1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CA | 2:B:648:ACE:H2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CA | 2:B:648:ACE:H3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CA | 2:B:648:ACE:O | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CA | 2:B:649:ASP:C | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CA | 2:B:649:ASP:CA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CA | 2:B:649:ASP:CB | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CA | 2:B:649:ASP:CG | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CA | 2:B:649:ASP:H | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CA | 2:B:649:ASP:HA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CA | 2:B:649:ASP:HB2 | 8 | 0.31 | 0.12 | 0.31 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|----------------|------------------|---------------------|----------|---------------------|------------|
| (1,37) | 1:A:250:THR:CA | 2:B:649:ASP:HB3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CA | 2:B:649:ASP:N | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CA | 2:B:649:ASP:O | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CA | 2:B:649:ASP:OD1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CA | 2:B:649:ASP:OD2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CA | 2:B:650:GLN:C | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CA | 2:B:650:GLN:CA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CA | 2:B:650:GLN:CB | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CA | 2:B:650:GLN:CD | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CA | 2:B:650:GLN:CG | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CA | 2:B:650:GLN:H | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CA | 2:B:650:GLN:HA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CA | 2:B:650:GLN:HB2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CA | 2:B:650:GLN:HB3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CA | 2:B:650:GLN:HE21 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CA | 2:B:650:GLN:HE22 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CA | 2:B:650:GLN:HG2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CA | 2:B:650:GLN:HG3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CA | 2:B:650:GLN:N | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CA | 2:B:650:GLN:NE2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CA | 2:B:650:GLN:O | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CA | 2:B:650:GLN:OE1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CA | 2:B:651:SER:C | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CA | 2:B:651:SER:CA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CA | 2:B:651:SER:CB | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CA | 2:B:651:SER:H | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CA | 2:B:651:SER:HA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CA | 2:B:651:SER:HB2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CA | 2:B:651:SER:HB3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CA | 2:B:651:SER:HG | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CA | 2:B:651:SER:N | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CA | 2:B:651:SER:O | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CA | 2:B:651:SER:OG | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CA | 2:B:652:ASP:C | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CA | 2:B:652:ASP:CA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CA | 2:B:652:ASP:CB | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CA | 2:B:652:ASP:CG | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CA | 2:B:652:ASP:H | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CA | 2:B:652:ASP:HA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CA | 2:B:652:ASP:HB2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CA | 2:B:652:ASP:HB3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CA | 2:B:652:ASP:N | 8 | 0.31 | 0.12 | 0.31 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|----------------|-----------------|---------------------|----------|---------------------|------------|
| (1,37) | 1:A:250:THR:CA | 2:B:652:ASP:O | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CA | 2:B:652:ASP:OD1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CA | 2:B:652:ASP:OD2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:C | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:CA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:CB | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:CD1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:CD2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:CE1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:CE2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:CG | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:CZ | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:H | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:HA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:HB2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:HB3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:HD1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:HD2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:HE1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:HE2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:HZ | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:N | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:O | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CA | 2:B:654:GLU:C | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CA | 2:B:654:GLU:CA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CA | 2:B:654:GLU:CB | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CA | 2:B:654:GLU:CD | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CA | 2:B:654:GLU:CG | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CA | 2:B:654:GLU:H | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CA | 2:B:654:GLU:HA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CA | 2:B:654:GLU:HB2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CA | 2:B:654:GLU:HB3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CA | 2:B:654:GLU:HG2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CA | 2:B:654:GLU:HG3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CA | 2:B:654:GLU:N | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CA | 2:B:654:GLU:O | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CA | 2:B:654:GLU:OE1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CA | 2:B:654:GLU:OE2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CA | 2:B:655:GLY:C | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CA | 2:B:655:GLY:CA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CA | 2:B:655:GLY:H | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CA | 2:B:655:GLY:HA2 | 8 | 0.31 | 0.12 | 0.31 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|----------------|-----------------|---------------------|----------|---------------------|------------|
| (1,37) | 1:A:250:THR:CA | 2:B:655:GLY:HA3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CA | 2:B:655:GLY:N | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CA | 2:B:655:GLY:O | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:C | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:CA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:CB | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:CD1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:CD2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:CE1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:CE2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:CG | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:CZ | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:H | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:HA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:HB2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:HB3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:HD1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:HD2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:HE1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:HE2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:HZ | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:N | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:O | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CA | 2:B:657:SEP:C | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CA | 2:B:657:SEP:CA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CA | 2:B:657:SEP:CB | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CA | 2:B:657:SEP:H | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CA | 2:B:657:SEP:HA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CA | 2:B:657:SEP:HB3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CA | 2:B:657:SEP:N | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CA | 2:B:657:SEP:O | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CA | 2:B:657:SEP:O1P | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CA | 2:B:657:SEP:O2P | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CA | 2:B:657:SEP:O3P | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CA | 2:B:657:SEP:OG | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CA | 2:B:657:SEP:P | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:C | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:CA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:CB | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:CD1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:CD2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:CE1 | 8 | 0.31 | 0.12 | 0.31 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|----------------|-----------------|---------------------|----------|---------------------|------------|
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:CE2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:CG | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:CZ | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:H | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:HA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:HB2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:HB3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:HD1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:HD2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:HE1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:HE2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:HH | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:N | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:O | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:OH | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CA | 2:B:659:NH2:HN1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CA | 2:B:659:NH2:HN2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CA | 2:B:659:NH2:N | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CB | 2:B:648:ACE:C | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CB | 2:B:648:ACE:CH3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CB | 2:B:648:ACE:H1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CB | 2:B:648:ACE:H2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CB | 2:B:648:ACE:H3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CB | 2:B:648:ACE:O | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CB | 2:B:649:ASP:C | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CB | 2:B:649:ASP:CA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CB | 2:B:649:ASP:CB | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CB | 2:B:649:ASP:CG | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CB | 2:B:649:ASP:H | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CB | 2:B:649:ASP:HA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CB | 2:B:649:ASP:HB2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CB | 2:B:649:ASP:HB3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CB | 2:B:649:ASP:N | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CB | 2:B:649:ASP:O | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CB | 2:B:649:ASP:OD1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CB | 2:B:649:ASP:OD2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CB | 2:B:650:GLN:C | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CB | 2:B:650:GLN:CA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CB | 2:B:650:GLN:CB | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CB | 2:B:650:GLN:CD | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CB | 2:B:650:GLN:CG | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CB | 2:B:650:GLN:H | 8 | 0.31 | 0.12 | 0.31 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|----------------|------------------|---------------------|----------|---------------------|------------|
| (1,37) | 1:A:250:THR:CB | 2:B:650:GLN:HA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CB | 2:B:650:GLN:HB2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CB | 2:B:650:GLN:HB3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CB | 2:B:650:GLN:HE21 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CB | 2:B:650:GLN:HE22 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CB | 2:B:650:GLN:HG2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CB | 2:B:650:GLN:HG3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CB | 2:B:650:GLN:N | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CB | 2:B:650:GLN:NE2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CB | 2:B:650:GLN:O | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CB | 2:B:650:GLN:OE1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CB | 2:B:651:SER:C | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CB | 2:B:651:SER:CA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CB | 2:B:651:SER:CB | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CB | 2:B:651:SER:H | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CB | 2:B:651:SER:HA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CB | 2:B:651:SER:HB2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CB | 2:B:651:SER:HB3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CB | 2:B:651:SER:HG | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CB | 2:B:651:SER:N | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CB | 2:B:651:SER:O | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CB | 2:B:651:SER:OG | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CB | 2:B:652:ASP:C | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CB | 2:B:652:ASP:CA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CB | 2:B:652:ASP:CB | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CB | 2:B:652:ASP:CG | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CB | 2:B:652:ASP:H | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CB | 2:B:652:ASP:HA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CB | 2:B:652:ASP:HB2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CB | 2:B:652:ASP:HB3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CB | 2:B:652:ASP:N | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CB | 2:B:652:ASP:O | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CB | 2:B:652:ASP:OD1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CB | 2:B:652:ASP:OD2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:C | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:CA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:CB | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:CD1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:CD2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:CE1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:CE2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:CG | 8 | 0.31 | 0.12 | 0.31 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|----------------|-----------------|---------------------|----------|---------------------|------------|
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:CZ | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:H | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:HA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:HB2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:HB3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:HD1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:HD2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:HE1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:HE2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:HZ | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:N | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:O | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CB | 2:B:654:GLU:C | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CB | 2:B:654:GLU:CA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CB | 2:B:654:GLU:CB | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CB | 2:B:654:GLU:CD | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CB | 2:B:654:GLU:CG | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CB | 2:B:654:GLU:H | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CB | 2:B:654:GLU:HA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CB | 2:B:654:GLU:HB2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CB | 2:B:654:GLU:HB3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CB | 2:B:654:GLU:HG2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CB | 2:B:654:GLU:HG3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CB | 2:B:654:GLU:N | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CB | 2:B:654:GLU:O | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CB | 2:B:654:GLU:OE1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CB | 2:B:654:GLU:OE2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CB | 2:B:655:GLY:C | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CB | 2:B:655:GLY:CA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CB | 2:B:655:GLY:H | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CB | 2:B:655:GLY:HA2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CB | 2:B:655:GLY:HA3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CB | 2:B:655:GLY:N | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CB | 2:B:655:GLY:O | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:C | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:CA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:CB | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:CD1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:CD2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:CE1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:CE2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:CG | 8 | 0.31 | 0.12 | 0.31 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|----------------|-----------------|---------------------|----------|---------------------|------------|
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:CZ | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:H | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:HA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:HB2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:HB3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:HD1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:HD2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:HE1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:HE2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:HZ | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:N | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:O | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CB | 2:B:657:SEP:C | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CB | 2:B:657:SEP:CA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CB | 2:B:657:SEP:CB | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CB | 2:B:657:SEP:H | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CB | 2:B:657:SEP:HA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CB | 2:B:657:SEP:HB3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CB | 2:B:657:SEP:N | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CB | 2:B:657:SEP:O | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CB | 2:B:657:SEP:O1P | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CB | 2:B:657:SEP:O2P | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CB | 2:B:657:SEP:O3P | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CB | 2:B:657:SEP:OG | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CB | 2:B:657:SEP:P | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:C | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:CA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:CB | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:CD1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:CD2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:CE1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:CE2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:CG | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:CZ | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:H | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:HA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:HB2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:HB3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:HD1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:HD2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:HE1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:HE2 | 8 | 0.31 | 0.12 | 0.31 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|-----------------|------------------|---------------------|----------|---------------------|------------|
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:HH | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:N | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:O | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:OH | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CB | 2:B:659:NH2:HN1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CB | 2:B:659:NH2:HN2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CB | 2:B:659:NH2:N | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:648:ACE:C | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:648:ACE:CH3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:648:ACE:H1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:648:ACE:H2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:648:ACE:H3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:648:ACE:O | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:649:ASP:C | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:649:ASP:CA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:649:ASP:CB | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:649:ASP:CG | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:649:ASP:H | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:649:ASP:HA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:649:ASP:HB2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:649:ASP:HB3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:649:ASP:N | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:649:ASP:O | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:649:ASP:OD1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:649:ASP:OD2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:650:GLN:C | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:650:GLN:CA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:650:GLN:CB | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:650:GLN:CD | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:650:GLN:CG | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:650:GLN:H | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:650:GLN:HA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:650:GLN:HB2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:650:GLN:HB3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:650:GLN:HE21 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:650:GLN:HE22 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:650:GLN:HG2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:650:GLN:HG3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:650:GLN:N | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:650:GLN:NE2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:650:GLN:O | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:650:GLN:OE1 | 8 | 0.31 | 0.12 | 0.31 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|-----------------|-----------------|---------------------|----------|---------------------|------------|
| (1,37) | 1:A:250:THR:CG2 | 2:B:651:SER:C | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:651:SER:CA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:651:SER:CB | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:651:SER:H | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:651:SER:HA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:651:SER:HB2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:651:SER:HB3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:651:SER:HG | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:651:SER:N | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:651:SER:O | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:651:SER:OG | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:652:ASP:C | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:652:ASP:CA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:652:ASP:CB | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:652:ASP:CG | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:652:ASP:H | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:652:ASP:HA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:652:ASP:HB2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:652:ASP:HB3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:652:ASP:N | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:652:ASP:O | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:652:ASP:OD1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:652:ASP:OD2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:C | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:CA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:CB | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:CD1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:CD2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:CE1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:CE2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:CG | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:CZ | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:H | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:HA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:HB2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:HB3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:HD1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:HD2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:HE1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:HE2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:HZ | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:N | 8 | 0.31 | 0.12 | 0.31 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|-----------------|-----------------|---------------------|----------|---------------------|------------|
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:O | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:654:GLU:C | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:654:GLU:CA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:654:GLU:CB | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:654:GLU:CD | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:654:GLU:CG | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:654:GLU:H | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:654:GLU:HA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:654:GLU:HB2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:654:GLU:HB3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:654:GLU:HG2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:654:GLU:HG3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:654:GLU:N | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:654:GLU:O | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:654:GLU:OE1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:654:GLU:OE2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:655:GLY:C | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:655:GLY:CA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:655:GLY:H | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:655:GLY:HA2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:655:GLY:HA3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:655:GLY:N | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:655:GLY:O | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:C | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:CA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:CB | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:CD1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:CD2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:CE1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:CE2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:CG | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:CZ | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:H | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:HA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:HB2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:HB3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:HD1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:HD2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:HE1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:HE2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:HZ | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:N | 8 | 0.31 | 0.12 | 0.31 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|-----------------|-----------------|---------------------|----------|---------------------|------------|
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:O | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:657:SEP:C | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:657:SEP:CA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:657:SEP:CB | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:657:SEP:H | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:657:SEP:HA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:657:SEP:HB3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:657:SEP:N | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:657:SEP:O | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:657:SEP:O1P | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:657:SEP:O2P | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:657:SEP:O3P | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:657:SEP:OG | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:657:SEP:P | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:C | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:CA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:CB | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:CD1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:CD2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:CE1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:CE2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:CG | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:CZ | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:H | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:HA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:HB2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:HB3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:HD1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:HD2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:HE1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:HE2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:HH | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:N | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:O | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:OH | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:659:NH2:HN1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:659:NH2:HN2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:659:NH2:N | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:H | 2:B:648:ACE:C | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:H | 2:B:648:ACE:CH3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:H | 2:B:648:ACE:H1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:H | 2:B:648:ACE:H2 | 8 | 0.31 | 0.12 | 0.31 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|---------------|------------------|---------------------|----------|---------------------|------------|
| (1,37) | 1:A:250:THR:H | 2:B:648:ACE:H3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:H | 2:B:648:ACE:O | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:H | 2:B:649:ASP:C | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:H | 2:B:649:ASP:CA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:H | 2:B:649:ASP:CB | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:H | 2:B:649:ASP:CG | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:H | 2:B:649:ASP:H | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:H | 2:B:649:ASP:HA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:H | 2:B:649:ASP:HB2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:H | 2:B:649:ASP:HB3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:H | 2:B:649:ASP:N | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:H | 2:B:649:ASP:O | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:H | 2:B:649:ASP:OD1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:H | 2:B:649:ASP:OD2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:H | 2:B:650:GLN:C | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:H | 2:B:650:GLN:CA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:H | 2:B:650:GLN:CB | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:H | 2:B:650:GLN:CD | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:H | 2:B:650:GLN:CG | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:H | 2:B:650:GLN:H | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:H | 2:B:650:GLN:HA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:H | 2:B:650:GLN:HB2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:H | 2:B:650:GLN:HB3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:H | 2:B:650:GLN:HE21 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:H | 2:B:650:GLN:HE22 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:H | 2:B:650:GLN:HG2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:H | 2:B:650:GLN:HG3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:H | 2:B:650:GLN:N | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:H | 2:B:650:GLN:NE2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:H | 2:B:650:GLN:O | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:H | 2:B:650:GLN:OE1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:H | 2:B:651:SER:C | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:H | 2:B:651:SER:CA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:H | 2:B:651:SER:CB | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:H | 2:B:651:SER:H | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:H | 2:B:651:SER:HA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:H | 2:B:651:SER:HB2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:H | 2:B:651:SER:HB3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:H | 2:B:651:SER:HG | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:H | 2:B:651:SER:N | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:H | 2:B:651:SER:O | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:H | 2:B:651:SER:OG | 8 | 0.31 | 0.12 | 0.31 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|---------------|-----------------|---------------------|----------|---------------------|------------|
| (1,37) | 1:A:250:THR:H | 2:B:652:ASP:C | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:H | 2:B:652:ASP:CA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:H | 2:B:652:ASP:CB | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:H | 2:B:652:ASP:CG | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:H | 2:B:652:ASP:H | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:H | 2:B:652:ASP:HA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:H | 2:B:652:ASP:HB2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:H | 2:B:652:ASP:HB3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:H | 2:B:652:ASP:N | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:H | 2:B:652:ASP:O | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:H | 2:B:652:ASP:OD1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:H | 2:B:652:ASP:OD2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:C | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:CA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:CB | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:CD1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:CD2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:CE1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:CE2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:CG | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:CZ | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:H | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:HA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:HB2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:HB3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:HD1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:HD2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:HE1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:HE2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:HZ | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:N | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:O | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:H | 2:B:654:GLU:C | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:H | 2:B:654:GLU:CA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:H | 2:B:654:GLU:CB | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:H | 2:B:654:GLU:CD | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:H | 2:B:654:GLU:CG | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:H | 2:B:654:GLU:H | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:H | 2:B:654:GLU:HA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:H | 2:B:654:GLU:HB2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:H | 2:B:654:GLU:HB3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:H | 2:B:654:GLU:HG2 | 8 | 0.31 | 0.12 | 0.31 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|---------------|-----------------|---------------------|----------|---------------------|------------|
| (1,37) | 1:A:250:THR:H | 2:B:654:GLU:HG3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:H | 2:B:654:GLU:N | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:H | 2:B:654:GLU:O | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:H | 2:B:654:GLU:OE1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:H | 2:B:654:GLU:OE2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:H | 2:B:655:GLY:C | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:H | 2:B:655:GLY:CA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:H | 2:B:655:GLY:H | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:H | 2:B:655:GLY:HA2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:H | 2:B:655:GLY:HA3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:H | 2:B:655:GLY:N | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:H | 2:B:655:GLY:O | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:C | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:CA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:CB | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:CD1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:CD2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:CE1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:CE2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:CG | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:CZ | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:H | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:HA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:HB2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:HB3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:HD1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:HD2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:HE1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:HE2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:HZ | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:N | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:O | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:H | 2:B:657:SEP:C | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:H | 2:B:657:SEP:CA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:H | 2:B:657:SEP:CB | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:H | 2:B:657:SEP:H | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:H | 2:B:657:SEP:HA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:H | 2:B:657:SEP:HB3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:H | 2:B:657:SEP:N | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:H | 2:B:657:SEP:O | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:H | 2:B:657:SEP:O1P | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:H | 2:B:657:SEP:O2P | 8 | 0.31 | 0.12 | 0.31 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|----------------|-----------------|---------------------|----------|---------------------|------------|
| (1,37) | 1:A:250:THR:H | 2:B:657:SEP:O3P | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:H | 2:B:657:SEP:OG | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:H | 2:B:657:SEP:P | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:C | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:CA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:CB | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:CD1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:CD2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:CE1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:CE2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:CG | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:CZ | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:H | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:HA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:HB2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:HB3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:HD1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:HD2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:HE1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:HE2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:HH | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:N | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:O | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:OH | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:H | 2:B:659:NH2:HN1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:H | 2:B:659:NH2:HN2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:H | 2:B:659:NH2:N | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HA | 2:B:648:ACE:C | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HA | 2:B:648:ACE:CH3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HA | 2:B:648:ACE:H1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HA | 2:B:648:ACE:H2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HA | 2:B:648:ACE:H3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HA | 2:B:648:ACE:O | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HA | 2:B:649:ASP:C | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HA | 2:B:649:ASP:CA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HA | 2:B:649:ASP:CB | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HA | 2:B:649:ASP:CG | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HA | 2:B:649:ASP:H | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HA | 2:B:649:ASP:HA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HA | 2:B:649:ASP:HB2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HA | 2:B:649:ASP:HB3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HA | 2:B:649:ASP:N | 8 | 0.31 | 0.12 | 0.31 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|----------------|------------------|---------------------|----------|---------------------|------------|
| (1,37) | 1:A:250:THR:HA | 2:B:649:ASP:O | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HA | 2:B:649:ASP:OD1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HA | 2:B:649:ASP:OD2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HA | 2:B:650:GLN:C | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HA | 2:B:650:GLN:CA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HA | 2:B:650:GLN:CB | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HA | 2:B:650:GLN:CD | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HA | 2:B:650:GLN:CG | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HA | 2:B:650:GLN:H | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HA | 2:B:650:GLN:HA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HA | 2:B:650:GLN:HB2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HA | 2:B:650:GLN:HB3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HA | 2:B:650:GLN:HE21 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HA | 2:B:650:GLN:HE22 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HA | 2:B:650:GLN:HG2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HA | 2:B:650:GLN:HG3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HA | 2:B:650:GLN:N | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HA | 2:B:650:GLN:NE2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HA | 2:B:650:GLN:O | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HA | 2:B:650:GLN:OE1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HA | 2:B:651:SER:C | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HA | 2:B:651:SER:CA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HA | 2:B:651:SER:CB | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HA | 2:B:651:SER:H | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HA | 2:B:651:SER:HA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HA | 2:B:651:SER:HB2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HA | 2:B:651:SER:HB3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HA | 2:B:651:SER:HG | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HA | 2:B:651:SER:N | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HA | 2:B:651:SER:O | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HA | 2:B:651:SER:OG | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HA | 2:B:652:ASP:C | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HA | 2:B:652:ASP:CA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HA | 2:B:652:ASP:CB | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HA | 2:B:652:ASP:CG | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HA | 2:B:652:ASP:H | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HA | 2:B:652:ASP:HA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HA | 2:B:652:ASP:HB2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HA | 2:B:652:ASP:HB3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HA | 2:B:652:ASP:N | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HA | 2:B:652:ASP:O | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HA | 2:B:652:ASP:OD1 | 8 | 0.31 | 0.12 | 0.31 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|----------------|-----------------|---------------------|----------|---------------------|------------|
| (1,37) | 1:A:250:THR:HA | 2:B:652:ASP:OD2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:C | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:CA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:CB | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:CD1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:CD2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:CE1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:CE2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:CG | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:CZ | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:H | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:HA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:HB2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:HB3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:HD1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:HD2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:HE1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:HE2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:HZ | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:N | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:O | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HA | 2:B:654:GLU:C | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HA | 2:B:654:GLU:CA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HA | 2:B:654:GLU:CB | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HA | 2:B:654:GLU:CD | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HA | 2:B:654:GLU:CG | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HA | 2:B:654:GLU:H | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HA | 2:B:654:GLU:HA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HA | 2:B:654:GLU:HB2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HA | 2:B:654:GLU:HB3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HA | 2:B:654:GLU:HG2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HA | 2:B:654:GLU:HG3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HA | 2:B:654:GLU:N | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HA | 2:B:654:GLU:O | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HA | 2:B:654:GLU:OE1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HA | 2:B:654:GLU:OE2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HA | 2:B:655:GLY:C | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HA | 2:B:655:GLY:CA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HA | 2:B:655:GLY:H | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HA | 2:B:655:GLY:HA2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HA | 2:B:655:GLY:HA3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HA | 2:B:655:GLY:N | 8 | 0.31 | 0.12 | 0.31 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|----------------|-----------------|---------------------|----------|---------------------|------------|
| (1,37) | 1:A:250:THR:HA | 2:B:655:GLY:O | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:C | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:CA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:CB | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:CD1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:CD2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:CE1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:CE2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:CG | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:CZ | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:H | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:HA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:HB2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:HB3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:HD1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:HD2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:HE1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:HE2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:HZ | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:N | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:O | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HA | 2:B:657:SEP:C | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HA | 2:B:657:SEP:CA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HA | 2:B:657:SEP:CB | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HA | 2:B:657:SEP:H | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HA | 2:B:657:SEP:HA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HA | 2:B:657:SEP:HB3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HA | 2:B:657:SEP:N | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HA | 2:B:657:SEP:O | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HA | 2:B:657:SEP:O1P | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HA | 2:B:657:SEP:O2P | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HA | 2:B:657:SEP:O3P | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HA | 2:B:657:SEP:OG | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HA | 2:B:657:SEP:P | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:C | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:CA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:CB | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:CD1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:CD2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:CE1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:CE2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:CG | 8 | 0.31 | 0.12 | 0.31 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|----------------|-----------------|---------------------|----------|---------------------|------------|
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:CZ | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:H | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:HA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:HB2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:HB3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:HD1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:HD2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:HE1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:HE2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:HH | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:N | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:O | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:OH | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HA | 2:B:659:NH2:HN1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HA | 2:B:659:NH2:HN2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HA | 2:B:659:NH2:N | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HB | 2:B:648:ACE:C | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HB | 2:B:648:ACE:CH3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HB | 2:B:648:ACE:H1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HB | 2:B:648:ACE:H2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HB | 2:B:648:ACE:H3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HB | 2:B:648:ACE:O | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HB | 2:B:649:ASP:C | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HB | 2:B:649:ASP:CA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HB | 2:B:649:ASP:CB | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HB | 2:B:649:ASP:CG | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HB | 2:B:649:ASP:H | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HB | 2:B:649:ASP:HA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HB | 2:B:649:ASP:HB2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HB | 2:B:649:ASP:HB3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HB | 2:B:649:ASP:N | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HB | 2:B:649:ASP:O | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HB | 2:B:649:ASP:OD1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HB | 2:B:649:ASP:OD2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HB | 2:B:650:GLN:C | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HB | 2:B:650:GLN:CA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HB | 2:B:650:GLN:CB | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HB | 2:B:650:GLN:CD | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HB | 2:B:650:GLN:CG | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HB | 2:B:650:GLN:H | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HB | 2:B:650:GLN:HA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HB | 2:B:650:GLN:HB2 | 8 | 0.31 | 0.12 | 0.31 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|----------------|------------------|---------------------|----------|---------------------|------------|
| (1,37) | 1:A:250:THR:HB | 2:B:650:GLN:HB3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HB | 2:B:650:GLN:HE21 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HB | 2:B:650:GLN:HE22 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HB | 2:B:650:GLN:HG2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HB | 2:B:650:GLN:HG3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HB | 2:B:650:GLN:N | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HB | 2:B:650:GLN:NE2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HB | 2:B:650:GLN:O | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HB | 2:B:650:GLN:OE1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HB | 2:B:651:SER:C | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HB | 2:B:651:SER:CA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HB | 2:B:651:SER:CB | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HB | 2:B:651:SER:H | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HB | 2:B:651:SER:HA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HB | 2:B:651:SER:HB2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HB | 2:B:651:SER:HB3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HB | 2:B:651:SER:HG | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HB | 2:B:651:SER:N | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HB | 2:B:651:SER:O | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HB | 2:B:651:SER:OG | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HB | 2:B:652:ASP:C | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HB | 2:B:652:ASP:CA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HB | 2:B:652:ASP:CB | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HB | 2:B:652:ASP:CG | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HB | 2:B:652:ASP:H | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HB | 2:B:652:ASP:HA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HB | 2:B:652:ASP:HB2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HB | 2:B:652:ASP:HB3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HB | 2:B:652:ASP:N | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HB | 2:B:652:ASP:O | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HB | 2:B:652:ASP:OD1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HB | 2:B:652:ASP:OD2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:C | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:CA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:CB | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:CD1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:CD2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:CE1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:CE2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:CG | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:CZ | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:H | 8 | 0.31 | 0.12 | 0.31 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|----------------|-----------------|---------------------|----------|---------------------|------------|
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:HA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:HB2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:HB3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:HD1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:HD2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:HE1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:HE2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:HZ | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:N | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:O | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HB | 2:B:654:GLU:C | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HB | 2:B:654:GLU:CA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HB | 2:B:654:GLU:CB | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HB | 2:B:654:GLU:CD | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HB | 2:B:654:GLU:CG | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HB | 2:B:654:GLU:H | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HB | 2:B:654:GLU:HA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HB | 2:B:654:GLU:HB2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HB | 2:B:654:GLU:HB3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HB | 2:B:654:GLU:HG2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HB | 2:B:654:GLU:HG3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HB | 2:B:654:GLU:N | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HB | 2:B:654:GLU:O | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HB | 2:B:654:GLU:OE1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HB | 2:B:654:GLU:OE2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HB | 2:B:655:GLY:C | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HB | 2:B:655:GLY:CA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HB | 2:B:655:GLY:H | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HB | 2:B:655:GLY:HA2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HB | 2:B:655:GLY:HA3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HB | 2:B:655:GLY:N | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HB | 2:B:655:GLY:O | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:C | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:CA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:CB | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:CD1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:CD2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:CE1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:CE2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:CG | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:CZ | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:H | 8 | 0.31 | 0.12 | 0.31 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|----------------|-----------------|---------------------|----------|---------------------|------------|
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:HA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:HB2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:HB3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:HD1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:HD2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:HE1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:HE2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:HZ | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:N | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:O | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HB | 2:B:657:SEP:C | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HB | 2:B:657:SEP:CA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HB | 2:B:657:SEP:CB | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HB | 2:B:657:SEP:H | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HB | 2:B:657:SEP:HA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HB | 2:B:657:SEP:HB3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HB | 2:B:657:SEP:N | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HB | 2:B:657:SEP:O | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HB | 2:B:657:SEP:O1P | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HB | 2:B:657:SEP:O2P | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HB | 2:B:657:SEP:O3P | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HB | 2:B:657:SEP:OG | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HB | 2:B:657:SEP:P | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:C | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:CA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:CB | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:CD1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:CD2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:CE1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:CE2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:CG | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:CZ | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:H | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:HA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:HB2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:HB3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:HD1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:HD2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:HE1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:HE2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:HH | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:N | 8 | 0.31 | 0.12 | 0.31 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|-----------------|------------------|---------------------|----------|---------------------|------------|
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:O | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:OH | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HB | 2:B:659:NH2:HN1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HB | 2:B:659:NH2:HN2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HB | 2:B:659:NH2:N | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:648:ACE:C | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:648:ACE:CH3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:648:ACE:H1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:648:ACE:H2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:648:ACE:H3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:648:ACE:O | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:649:ASP:C | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:649:ASP:CA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:649:ASP:CB | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:649:ASP:CG | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:649:ASP:H | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:649:ASP:HA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:649:ASP:HB2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:649:ASP:HB3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:649:ASP:N | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:649:ASP:O | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:649:ASP:OD1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:649:ASP:OD2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:650:GLN:C | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:650:GLN:CA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:650:GLN:CB | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:650:GLN:CD | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:650:GLN:CG | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:650:GLN:H | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:650:GLN:HA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:650:GLN:HB2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:650:GLN:HB3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:650:GLN:HE21 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:650:GLN:HE22 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:650:GLN:HG2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:650:GLN:HG3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:650:GLN:N | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:650:GLN:NE2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:650:GLN:O | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:650:GLN:OE1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:651:SER:C | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:651:SER:CA | 8 | 0.31 | 0.12 | 0.31 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|-----------------|-----------------|---------------------|----------|---------------------|------------|
| (1,37) | 1:A:250:THR:HG1 | 2:B:651:SER:CB | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:651:SER:H | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:651:SER:HA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:651:SER:HB2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:651:SER:HB3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:651:SER:HG | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:651:SER:N | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:651:SER:O | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:651:SER:OG | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:652:ASP:C | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:652:ASP:CA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:652:ASP:CB | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:652:ASP:CG | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:652:ASP:H | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:652:ASP:HA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:652:ASP:HB2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:652:ASP:HB3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:652:ASP:N | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:652:ASP:O | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:652:ASP:OD1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:652:ASP:OD2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:C | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:CA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:CB | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:CD1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:CD2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:CE1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:CE2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:CG | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:CZ | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:H | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:HA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:HB2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:HB3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:HD1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:HD2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:HE1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:HE2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:HZ | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:N | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:O | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:654:GLU:C | 8 | 0.31 | 0.12 | 0.31 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|-----------------|-----------------|---------------------|----------|---------------------|------------|
| (1,37) | 1:A:250:THR:HG1 | 2:B:654:GLU:CA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:654:GLU:CB | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:654:GLU:CD | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:654:GLU:CG | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:654:GLU:H | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:654:GLU:HA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:654:GLU:HB2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:654:GLU:HB3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:654:GLU:HG2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:654:GLU:HG3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:654:GLU:N | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:654:GLU:O | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:654:GLU:OE1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:654:GLU:OE2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:655:GLY:C | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:655:GLY:CA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:655:GLY:H | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:655:GLY:HA2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:655:GLY:HA3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:655:GLY:N | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:655:GLY:O | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:C | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:CA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:CB | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:CD1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:CD2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:CE1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:CE2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:CG | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:CZ | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:H | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:HA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:HB2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:HB3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:HD1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:HD2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:HE1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:HE2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:HZ | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:N | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:O | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:657:SEP:C | 8 | 0.31 | 0.12 | 0.31 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|------------------|-----------------|---------------------|----------|---------------------|------------|
| (1,37) | 1:A:250:THR:HG1 | 2:B:657:SEP:CA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:657:SEP:CB | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:657:SEP:H | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:657:SEP:HA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:657:SEP:HB3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:657:SEP:N | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:657:SEP:O | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:657:SEP:O1P | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:657:SEP:O2P | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:657:SEP:O3P | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:657:SEP:OG | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:657:SEP:P | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:C | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:CA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:CB | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:CD1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:CD2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:CE1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:CE2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:CG | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:CZ | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:H | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:HA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:HB2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:HB3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:HD1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:HD2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:HE1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:HE2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:HH | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:N | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:O | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:OH | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:659:NH2:HN1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:659:NH2:HN2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:659:NH2:N | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:648:ACE:C | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:648:ACE:CH3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:648:ACE:H1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:648:ACE:H2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:648:ACE:H3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:648:ACE:O | 8 | 0.31 | 0.12 | 0.31 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|------------------|------------------|---------------------|----------|---------------------|------------|
| (1,37) | 1:A:250:THR:HG21 | 2:B:649:ASP:C | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:649:ASP:CA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:649:ASP:CB | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:649:ASP:CG | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:649:ASP:H | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:649:ASP:HA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:649:ASP:HB2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:649:ASP:HB3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:649:ASP:N | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:649:ASP:O | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:649:ASP:OD1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:649:ASP:OD2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:650:GLN:C | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:650:GLN:CA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:650:GLN:CB | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:650:GLN:CD | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:650:GLN:CG | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:650:GLN:H | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:650:GLN:HA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:650:GLN:HB2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:650:GLN:HB3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:650:GLN:HE21 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:650:GLN:HE22 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:650:GLN:HG2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:650:GLN:HG3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:650:GLN:N | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:650:GLN:NE2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:650:GLN:O | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:650:GLN:OE1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:651:SER:C | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:651:SER:CA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:651:SER:CB | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:651:SER:H | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:651:SER:HA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:651:SER:HB2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:651:SER:HB3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:651:SER:HG | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:651:SER:N | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:651:SER:O | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:651:SER:OG | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:652:ASP:C | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:652:ASP:CA | 8 | 0.31 | 0.12 | 0.31 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|------------------|-----------------|---------------------|----------|---------------------|------------|
| (1,37) | 1:A:250:THR:HG21 | 2:B:652:ASP:CB | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:652:ASP:CG | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:652:ASP:H | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:652:ASP:HA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:652:ASP:HB2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:652:ASP:HB3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:652:ASP:N | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:652:ASP:O | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:652:ASP:OD1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:652:ASP:OD2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:C | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:CA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:CB | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:CD1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:CD2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:CE1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:CE2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:CG | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:CZ | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:H | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:HA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:HB2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:HB3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:HD1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:HD2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:HE1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:HE2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:HZ | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:N | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:O | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:654:GLU:C | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:654:GLU:CA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:654:GLU:CB | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:654:GLU:CD | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:654:GLU:CG | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:654:GLU:H | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:654:GLU:HA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:654:GLU:HB2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:654:GLU:HB3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:654:GLU:HG2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:654:GLU:HG3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:654:GLU:N | 8 | 0.31 | 0.12 | 0.31 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|------------------|-----------------|---------------------|----------|---------------------|------------|
| (1,37) | 1:A:250:THR:HG21 | 2:B:654:GLU:O | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:654:GLU:OE1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:654:GLU:OE2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:655:GLY:C | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:655:GLY:CA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:655:GLY:H | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:655:GLY:HA2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:655:GLY:HA3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:655:GLY:N | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:655:GLY:O | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:C | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:CA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:CB | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:CD1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:CD2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:CE1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:CE2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:CG | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:CZ | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:H | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:HA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:HB2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:HB3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:HD1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:HD2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:HE1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:HE2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:HZ | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:N | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:O | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:657:SEP:C | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:657:SEP:CA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:657:SEP:CB | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:657:SEP:H | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:657:SEP:HA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:657:SEP:HB3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:657:SEP:N | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:657:SEP:O | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:657:SEP:O1P | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:657:SEP:O2P | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:657:SEP:O3P | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:657:SEP:OG | 8 | 0.31 | 0.12 | 0.31 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|------------------|-----------------|---------------------|----------|---------------------|------------|
| (1,37) | 1:A:250:THR:HG21 | 2:B:657:SEP:P | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:C | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:CA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:CB | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:CD1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:CD2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:CE1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:CE2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:CG | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:CZ | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:H | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:HA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:HB2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:HB3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:HD1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:HD2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:HE1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:HE2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:HH | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:N | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:O | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:OH | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:659:NH2:HN1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:659:NH2:HN2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:659:NH2:N | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:648:ACE:C | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:648:ACE:CH3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:648:ACE:H1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:648:ACE:H2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:648:ACE:H3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:648:ACE:O | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:649:ASP:C | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:649:ASP:CA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:649:ASP:CB | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:649:ASP:CG | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:649:ASP:H | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:649:ASP:HA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:649:ASP:HB2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:649:ASP:HB3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:649:ASP:N | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:649:ASP:O | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:649:ASP:OD1 | 8 | 0.31 | 0.12 | 0.31 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|------------------|------------------|---------------------|----------|---------------------|------------|
| (1,37) | 1:A:250:THR:HG22 | 2:B:649:ASP:OD2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:650:GLN:C | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:650:GLN:CA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:650:GLN:CB | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:650:GLN:CD | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:650:GLN:CG | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:650:GLN:H | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:650:GLN:HA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:650:GLN:HB2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:650:GLN:HB3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:650:GLN:HE21 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:650:GLN:HE22 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:650:GLN:HG2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:650:GLN:HG3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:650:GLN:N | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:650:GLN:NE2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:650:GLN:O | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:650:GLN:OE1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:651:SER:C | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:651:SER:CA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:651:SER:CB | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:651:SER:H | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:651:SER:HA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:651:SER:HB2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:651:SER:HB3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:651:SER:HG | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:651:SER:N | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:651:SER:O | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:651:SER:OG | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:652:ASP:C | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:652:ASP:CA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:652:ASP:CB | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:652:ASP:CG | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:652:ASP:H | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:652:ASP:HA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:652:ASP:HB2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:652:ASP:HB3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:652:ASP:N | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:652:ASP:O | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:652:ASP:OD1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:652:ASP:OD2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:C | 8 | 0.31 | 0.12 | 0.31 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|------------------|-----------------|---------------------|----------|---------------------|------------|
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:CA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:CB | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:CD1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:CD2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:CE1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:CE2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:CG | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:CZ | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:H | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:HA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:HB2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:HB3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:HD1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:HD2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:HE1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:HE2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:HZ | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:N | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:O | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:654:GLU:C | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:654:GLU:CA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:654:GLU:CB | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:654:GLU:CD | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:654:GLU:CG | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:654:GLU:H | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:654:GLU:HA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:654:GLU:HB2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:654:GLU:HB3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:654:GLU:HG2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:654:GLU:HG3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:654:GLU:N | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:654:GLU:O | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:654:GLU:OE1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:654:GLU:OE2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:655:GLY:C | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:655:GLY:CA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:655:GLY:H | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:655:GLY:HA2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:655:GLY:HA3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:655:GLY:N | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:655:GLY:O | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:C | 8 | 0.31 | 0.12 | 0.31 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|------------------|-----------------|---------------------|----------|---------------------|------------|
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:CA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:CB | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:CD1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:CD2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:CE1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:CE2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:CG | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:CZ | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:H | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:HA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:HB2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:HB3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:HD1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:HD2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:HE1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:HE2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:HZ | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:N | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:O | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:657:SEP:C | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:657:SEP:CA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:657:SEP:CB | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:657:SEP:H | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:657:SEP:HA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:657:SEP:HB3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:657:SEP:N | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:657:SEP:O | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:657:SEP:O1P | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:657:SEP:O2P | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:657:SEP:O3P | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:657:SEP:OG | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:657:SEP:P | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:C | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:CA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:CB | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:CD1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:CD2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:CE1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:CE2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:CG | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:CZ | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:H | 8 | 0.31 | 0.12 | 0.31 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|------------------|------------------|---------------------|----------|---------------------|------------|
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:HA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:HB2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:HB3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:HD1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:HD2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:HE1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:HE2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:HH | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:N | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:O | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:OH | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:659:NH2:HN1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:659:NH2:HN2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:659:NH2:N | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:648:ACE:C | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:648:ACE:CH3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:648:ACE:H1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:648:ACE:H2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:648:ACE:H3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:648:ACE:O | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:649:ASP:C | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:649:ASP:CA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:649:ASP:CB | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:649:ASP:CG | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:649:ASP:H | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:649:ASP:HA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:649:ASP:HB2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:649:ASP:HB3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:649:ASP:N | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:649:ASP:O | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:649:ASP:OD1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:649:ASP:OD2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:650:GLN:C | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:650:GLN:CA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:650:GLN:CB | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:650:GLN:CD | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:650:GLN:CG | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:650:GLN:H | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:650:GLN:HA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:650:GLN:HB2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:650:GLN:HB3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:650:GLN:HE21 | 8 | 0.31 | 0.12 | 0.31 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|------------------|------------------|---------------------|----------|---------------------|------------|
| (1,37) | 1:A:250:THR:HG23 | 2:B:650:GLN:HE22 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:650:GLN:HG2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:650:GLN:HG3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:650:GLN:N | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:650:GLN:NE2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:650:GLN:O | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:650:GLN:OE1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:651:SER:C | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:651:SER:CA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:651:SER:CB | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:651:SER:H | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:651:SER:HA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:651:SER:HB2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:651:SER:HB3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:651:SER:HG | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:651:SER:N | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:651:SER:O | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:651:SER:OG | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:652:ASP:C | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:652:ASP:CA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:652:ASP:CB | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:652:ASP:CG | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:652:ASP:H | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:652:ASP:HA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:652:ASP:HB2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:652:ASP:HB3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:652:ASP:N | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:652:ASP:O | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:652:ASP:OD1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:652:ASP:OD2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:C | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:CA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:CB | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:CD1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:CD2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:CE1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:CE2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:CG | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:CZ | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:H | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:HA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:HB2 | 8 | 0.31 | 0.12 | 0.31 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|------------------|-----------------|---------------------|----------|---------------------|------------|
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:HB3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:HD1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:HD2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:HE1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:HE2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:HZ | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:N | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:O | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:654:GLU:C | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:654:GLU:CA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:654:GLU:CB | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:654:GLU:CD | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:654:GLU:CG | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:654:GLU:H | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:654:GLU:HA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:654:GLU:HB2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:654:GLU:HB3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:654:GLU:HG2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:654:GLU:HG3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:654:GLU:N | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:654:GLU:O | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:654:GLU:OE1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:654:GLU:OE2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:655:GLY:C | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:655:GLY:CA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:655:GLY:H | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:655:GLY:HA2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:655:GLY:HA3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:655:GLY:N | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:655:GLY:O | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:C | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:CA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:CB | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:CD1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:CD2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:CE1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:CE2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:CG | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:CZ | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:H | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:HA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:HB2 | 8 | 0.31 | 0.12 | 0.31 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|------------------|-----------------|---------------------|----------|---------------------|------------|
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:HB3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:HD1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:HD2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:HE1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:HE2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:HZ | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:N | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:O | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:657:SEP:C | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:657:SEP:CA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:657:SEP:CB | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:657:SEP:H | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:657:SEP:HA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:657:SEP:HB3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:657:SEP:N | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:657:SEP:O | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:657:SEP:O1P | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:657:SEP:O2P | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:657:SEP:O3P | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:657:SEP:OG | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:657:SEP:P | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:C | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:CA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:CB | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:CD1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:CD2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:CE1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:CE2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:CG | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:CZ | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:H | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:HA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:HB2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:HB3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:HD1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:HD2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:HE1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:HE2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:HH | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:N | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:O | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:OH | 8 | 0.31 | 0.12 | 0.31 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|------------------|------------------|---------------------|----------|---------------------|------------|
| (1,37) | 1:A:250:THR:HG23 | 2:B:659:NH2:HN1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:659:NH2:HN2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:659:NH2:N | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:N | 2:B:648:ACE:C | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:N | 2:B:648:ACE:CH3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:N | 2:B:648:ACE:H1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:N | 2:B:648:ACE:H2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:N | 2:B:648:ACE:H3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:N | 2:B:648:ACE:O | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:N | 2:B:649:ASP:C | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:N | 2:B:649:ASP:CA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:N | 2:B:649:ASP:CB | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:N | 2:B:649:ASP:CG | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:N | 2:B:649:ASP:H | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:N | 2:B:649:ASP:HA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:N | 2:B:649:ASP:HB2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:N | 2:B:649:ASP:HB3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:N | 2:B:649:ASP:N | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:N | 2:B:649:ASP:O | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:N | 2:B:649:ASP:OD1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:N | 2:B:649:ASP:OD2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:N | 2:B:650:GLN:C | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:N | 2:B:650:GLN:CA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:N | 2:B:650:GLN:CB | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:N | 2:B:650:GLN:CD | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:N | 2:B:650:GLN:CG | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:N | 2:B:650:GLN:H | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:N | 2:B:650:GLN:HA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:N | 2:B:650:GLN:HB2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:N | 2:B:650:GLN:HB3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:N | 2:B:650:GLN:HE21 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:N | 2:B:650:GLN:HE22 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:N | 2:B:650:GLN:HG2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:N | 2:B:650:GLN:HG3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:N | 2:B:650:GLN:N | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:N | 2:B:650:GLN:NE2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:N | 2:B:650:GLN:O | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:N | 2:B:650:GLN:OE1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:N | 2:B:651:SER:C | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:N | 2:B:651:SER:CA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:N | 2:B:651:SER:CB | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:N | 2:B:651:SER:H | 8 | 0.31 | 0.12 | 0.31 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|---------------|-----------------|---------------------|----------|---------------------|------------|
| (1,37) | 1:A:250:THR:N | 2:B:651:SER:HA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:N | 2:B:651:SER:HB2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:N | 2:B:651:SER:HB3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:N | 2:B:651:SER:HG | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:N | 2:B:651:SER:N | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:N | 2:B:651:SER:O | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:N | 2:B:651:SER:OG | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:N | 2:B:652:ASP:C | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:N | 2:B:652:ASP:CA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:N | 2:B:652:ASP:CB | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:N | 2:B:652:ASP:CG | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:N | 2:B:652:ASP:H | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:N | 2:B:652:ASP:HA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:N | 2:B:652:ASP:HB2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:N | 2:B:652:ASP:HB3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:N | 2:B:652:ASP:N | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:N | 2:B:652:ASP:O | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:N | 2:B:652:ASP:OD1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:N | 2:B:652:ASP:OD2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:C | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:CA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:CB | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:CD1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:CD2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:CE1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:CE2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:CG | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:CZ | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:H | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:HA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:HB2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:HB3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:HD1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:HD2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:HE1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:HE2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:HZ | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:N | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:O | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:N | 2:B:654:GLU:C | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:N | 2:B:654:GLU:CA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:N | 2:B:654:GLU:CB | 8 | 0.31 | 0.12 | 0.31 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|---------------|-----------------|---------------------|----------|---------------------|------------|
| (1,37) | 1:A:250:THR:N | 2:B:654:GLU:CD | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:N | 2:B:654:GLU:CG | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:N | 2:B:654:GLU:H | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:N | 2:B:654:GLU:HA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:N | 2:B:654:GLU:HB2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:N | 2:B:654:GLU:HB3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:N | 2:B:654:GLU:HG2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:N | 2:B:654:GLU:HG3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:N | 2:B:654:GLU:N | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:N | 2:B:654:GLU:O | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:N | 2:B:654:GLU:OE1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:N | 2:B:654:GLU:OE2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:N | 2:B:655:GLY:C | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:N | 2:B:655:GLY:CA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:N | 2:B:655:GLY:H | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:N | 2:B:655:GLY:HA2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:N | 2:B:655:GLY:HA3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:N | 2:B:655:GLY:N | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:N | 2:B:655:GLY:O | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:C | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:CA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:CB | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:CD1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:CD2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:CE1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:CE2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:CG | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:CZ | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:H | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:HA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:HB2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:HB3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:HD1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:HD2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:HE1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:HE2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:HZ | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:N | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:O | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:N | 2:B:657:SEP:C | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:N | 2:B:657:SEP:CA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:N | 2:B:657:SEP:CB | 8 | 0.31 | 0.12 | 0.31 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|---------------|-----------------|---------------------|----------|---------------------|------------|
| (1,37) | 1:A:250:THR:N | 2:B:657:SEP:H | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:N | 2:B:657:SEP:HA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:N | 2:B:657:SEP:HB3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:N | 2:B:657:SEP:N | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:N | 2:B:657:SEP:O | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:N | 2:B:657:SEP:O1P | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:N | 2:B:657:SEP:O2P | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:N | 2:B:657:SEP:O3P | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:N | 2:B:657:SEP:OG | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:N | 2:B:657:SEP:P | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:C | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:CA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:CB | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:CD1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:CD2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:CE1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:CE2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:CG | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:CZ | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:H | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:HA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:HB2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:HB3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:HD1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:HD2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:HE1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:HE2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:HH | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:N | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:O | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:OH | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:N | 2:B:659:NH2:HN1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:N | 2:B:659:NH2:HN2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:N | 2:B:659:NH2:N | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:O | 2:B:648:ACE:C | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:O | 2:B:648:ACE:CH3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:O | 2:B:648:ACE:H1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:O | 2:B:648:ACE:H2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:O | 2:B:648:ACE:H3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:O | 2:B:648:ACE:O | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:O | 2:B:649:ASP:C | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:O | 2:B:649:ASP:CA | 8 | 0.31 | 0.12 | 0.31 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|---------------|------------------|---------------------|----------|---------------------|------------|
| (1,37) | 1:A:250:THR:O | 2:B:649:ASP:CB | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:O | 2:B:649:ASP:CG | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:O | 2:B:649:ASP:H | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:O | 2:B:649:ASP:HA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:O | 2:B:649:ASP:HB2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:O | 2:B:649:ASP:HB3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:O | 2:B:649:ASP:N | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:O | 2:B:649:ASP:O | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:O | 2:B:649:ASP:OD1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:O | 2:B:649:ASP:OD2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:O | 2:B:650:GLN:C | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:O | 2:B:650:GLN:CA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:O | 2:B:650:GLN:CB | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:O | 2:B:650:GLN:CD | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:O | 2:B:650:GLN:CG | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:O | 2:B:650:GLN:H | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:O | 2:B:650:GLN:HA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:O | 2:B:650:GLN:HB2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:O | 2:B:650:GLN:HB3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:O | 2:B:650:GLN:HE21 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:O | 2:B:650:GLN:HE22 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:O | 2:B:650:GLN:HG2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:O | 2:B:650:GLN:HG3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:O | 2:B:650:GLN:N | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:O | 2:B:650:GLN:NE2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:O | 2:B:650:GLN:O | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:O | 2:B:650:GLN:OE1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:O | 2:B:651:SER:C | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:O | 2:B:651:SER:CA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:O | 2:B:651:SER:CB | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:O | 2:B:651:SER:H | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:O | 2:B:651:SER:HA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:O | 2:B:651:SER:HB2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:O | 2:B:651:SER:HB3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:O | 2:B:651:SER:HG | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:O | 2:B:651:SER:N | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:O | 2:B:651:SER:O | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:O | 2:B:651:SER:OG | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:O | 2:B:652:ASP:C | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:O | 2:B:652:ASP:CA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:O | 2:B:652:ASP:CB | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:O | 2:B:652:ASP:CG | 8 | 0.31 | 0.12 | 0.31 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|---------------|-----------------|---------------------|----------|---------------------|------------|
| (1,37) | 1:A:250:THR:O | 2:B:652:ASP:H | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:O | 2:B:652:ASP:HA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:O | 2:B:652:ASP:HB2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:O | 2:B:652:ASP:HB3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:O | 2:B:652:ASP:N | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:O | 2:B:652:ASP:O | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:O | 2:B:652:ASP:OD1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:O | 2:B:652:ASP:OD2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:C | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:CA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:CB | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:CD1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:CD2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:CE1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:CE2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:CG | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:CZ | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:H | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:HA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:HB2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:HB3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:HD1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:HD2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:HE1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:HE2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:HZ | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:N | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:O | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:O | 2:B:654:GLU:C | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:O | 2:B:654:GLU:CA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:O | 2:B:654:GLU:CB | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:O | 2:B:654:GLU:CD | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:O | 2:B:654:GLU:CG | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:O | 2:B:654:GLU:H | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:O | 2:B:654:GLU:HA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:O | 2:B:654:GLU:HB2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:O | 2:B:654:GLU:HB3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:O | 2:B:654:GLU:HG2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:O | 2:B:654:GLU:HG3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:O | 2:B:654:GLU:N | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:O | 2:B:654:GLU:O | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:O | 2:B:654:GLU:OE1 | 8 | 0.31 | 0.12 | 0.31 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|---------------|-----------------|---------------------|----------|---------------------|------------|
| (1,37) | 1:A:250:THR:O | 2:B:654:GLU:OE2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:O | 2:B:655:GLY:C | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:O | 2:B:655:GLY:CA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:O | 2:B:655:GLY:H | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:O | 2:B:655:GLY:HA2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:O | 2:B:655:GLY:HA3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:O | 2:B:655:GLY:N | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:O | 2:B:655:GLY:O | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:C | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:CA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:CB | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:CD1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:CD2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:CE1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:CE2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:CG | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:CZ | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:H | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:HA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:HB2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:HB3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:HD1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:HD2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:HE1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:HE2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:HZ | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:N | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:O | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:O | 2:B:657:SEP:C | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:O | 2:B:657:SEP:CA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:O | 2:B:657:SEP:CB | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:O | 2:B:657:SEP:H | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:O | 2:B:657:SEP:HA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:O | 2:B:657:SEP:HB3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:O | 2:B:657:SEP:N | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:O | 2:B:657:SEP:O | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:O | 2:B:657:SEP:O1P | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:O | 2:B:657:SEP:O2P | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:O | 2:B:657:SEP:O3P | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:O | 2:B:657:SEP:OG | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:O | 2:B:657:SEP:P | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:C | 8 | 0.31 | 0.12 | 0.31 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|-----------------|-----------------|---------------------|----------|---------------------|------------|
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:CA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:CB | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:CD1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:CD2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:CE1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:CE2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:CG | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:CZ | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:H | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:HA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:HB2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:HB3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:HD1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:HD2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:HE1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:HE2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:HH | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:N | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:O | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:OH | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:O | 2:B:659:NH2:HN1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:O | 2:B:659:NH2:HN2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:O | 2:B:659:NH2:N | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:648:ACE:C | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:648:ACE:CH3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:648:ACE:H1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:648:ACE:H2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:648:ACE:H3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:648:ACE:O | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:649:ASP:C | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:649:ASP:CA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:649:ASP:CB | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:649:ASP:CG | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:649:ASP:H | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:649:ASP:HA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:649:ASP:HB2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:649:ASP:HB3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:649:ASP:N | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:649:ASP:O | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:649:ASP:OD1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:649:ASP:OD2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:650:GLN:C | 8 | 0.31 | 0.12 | 0.31 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|-----------------|------------------|---------------------|----------|---------------------|------------|
| (1,37) | 1:A:250:THR:OG1 | 2:B:650:GLN:CA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:650:GLN:CB | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:650:GLN:CD | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:650:GLN:CG | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:650:GLN:H | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:650:GLN:HA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:650:GLN:HB2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:650:GLN:HB3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:650:GLN:HE21 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:650:GLN:HE22 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:650:GLN:HG2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:650:GLN:HG3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:650:GLN:N | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:650:GLN:NE2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:650:GLN:O | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:650:GLN:OE1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:651:SER:C | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:651:SER:CA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:651:SER:CB | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:651:SER:H | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:651:SER:HA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:651:SER:HB2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:651:SER:HB3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:651:SER:HG | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:651:SER:N | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:651:SER:O | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:651:SER:OG | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:652:ASP:C | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:652:ASP:CA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:652:ASP:CB | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:652:ASP:CG | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:652:ASP:H | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:652:ASP:HA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:652:ASP:HB2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:652:ASP:HB3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:652:ASP:N | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:652:ASP:O | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:652:ASP:OD1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:652:ASP:OD2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:C | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:CA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:CB | 8 | 0.31 | 0.12 | 0.31 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|-----------------|-----------------|---------------------|----------|---------------------|------------|
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:CD1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:CD2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:CE1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:CE2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:CG | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:CZ | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:H | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:HA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:HB2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:HB3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:HD1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:HD2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:HE1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:HE2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:HZ | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:N | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:O | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:654:GLU:C | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:654:GLU:CA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:654:GLU:CB | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:654:GLU:CD | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:654:GLU:CG | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:654:GLU:H | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:654:GLU:HA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:654:GLU:HB2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:654:GLU:HB3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:654:GLU:HG2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:654:GLU:HG3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:654:GLU:N | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:654:GLU:O | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:654:GLU:OE1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:654:GLU:OE2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:655:GLY:C | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:655:GLY:CA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:655:GLY:H | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:655:GLY:HA2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:655:GLY:HA3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:655:GLY:N | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:655:GLY:O | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:C | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:CA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:CB | 8 | 0.31 | 0.12 | 0.31 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|-----------------|-----------------|---------------------|----------|---------------------|------------|
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:CD1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:CD2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:CE1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:CE2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:CG | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:CZ | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:H | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:HA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:HB2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:HB3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:HD1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:HD2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:HE1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:HE2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:HZ | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:N | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:O | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:657:SEP:C | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:657:SEP:CA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:657:SEP:CB | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:657:SEP:H | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:657:SEP:HA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:657:SEP:HB3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:657:SEP:N | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:657:SEP:O | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:657:SEP:O1P | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:657:SEP:O2P | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:657:SEP:O3P | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:657:SEP:OG | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:657:SEP:P | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:C | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:CA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:CB | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:CD1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:CD2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:CE1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:CE2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:CG | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:CZ | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:H | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:HA | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:HB2 | 8 | 0.31 | 0.12 | 0.31 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|-----------------|------------------|---------------------|----------|---------------------|------------|
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:HB3 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:HD1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:HD2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:HE1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:HE2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:HH | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:N | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:O | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:OH | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:659:NH2:HN1 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:659:NH2:HN2 | 8 | 0.31 | 0.12 | 0.31 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:659:NH2:N | 8 | 0.31 | 0.12 | 0.31 |
| (1,33) | 1:A:251:THR:C | 2:B:648:ACE:C | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:648:ACE:CH3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:648:ACE:H1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:648:ACE:H2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:648:ACE:H3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:648:ACE:O | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:649:ASP:C | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:649:ASP:CA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:649:ASP:CB | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:649:ASP:CG | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:649:ASP:H | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:649:ASP:HA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:649:ASP:HB2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:649:ASP:HB3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:649:ASP:N | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:649:ASP:O | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:649:ASP:OD1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:649:ASP:OD2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:650:GLN:C | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:650:GLN:CA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:650:GLN:CB | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:650:GLN:CD | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:650:GLN:CG | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:650:GLN:H | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:650:GLN:HA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:650:GLN:HB2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:650:GLN:HB3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:650:GLN:HE21 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:650:GLN:HE22 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:650:GLN:HG2 | 2 | 0.23 | 0.0 | 0.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|---------------|-----------------|---------------------|----------|---------------------|------------|
| (1,33) | 1:A:251:THR:C | 2:B:650:GLN:HG3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:650:GLN:N | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:650:GLN:NE2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:650:GLN:O | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:650:GLN:OE1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:651:SER:C | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:651:SER:CA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:651:SER:CB | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:651:SER:H | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:651:SER:HA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:651:SER:HB2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:651:SER:HB3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:651:SER:HG | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:651:SER:N | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:651:SER:O | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:651:SER:OG | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:652:ASP:C | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:652:ASP:CA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:652:ASP:CB | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:652:ASP:CG | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:652:ASP:H | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:652:ASP:HA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:652:ASP:HB2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:652:ASP:HB3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:652:ASP:N | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:652:ASP:O | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:652:ASP:OD1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:652:ASP:OD2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:653:PHE:C | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:653:PHE:CA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:653:PHE:CB | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:653:PHE:CD1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:653:PHE:CD2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:653:PHE:CE1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:653:PHE:CE2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:653:PHE:CG | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:653:PHE:CZ | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:653:PHE:H | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:653:PHE:HA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:653:PHE:HB2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:653:PHE:HB3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:653:PHE:HD1 | 2 | 0.23 | 0.0 | 0.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|---------------|-----------------|---------------------|----------|---------------------|------------|
| (1,33) | 1:A:251:THR:C | 2:B:653:PHE:HD2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:653:PHE:HE1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:653:PHE:HE2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:653:PHE:HZ | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:653:PHE:N | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:653:PHE:O | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:654:GLU:C | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:654:GLU:CA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:654:GLU:CB | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:654:GLU:CD | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:654:GLU:CG | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:654:GLU:H | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:654:GLU:HA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:654:GLU:HB2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:654:GLU:HB3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:654:GLU:HG2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:654:GLU:HG3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:654:GLU:N | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:654:GLU:O | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:654:GLU:OE1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:654:GLU:OE2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:655:GLY:C | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:655:GLY:CA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:655:GLY:H | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:655:GLY:HA2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:655:GLY:HA3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:655:GLY:N | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:655:GLY:O | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:656:PHE:C | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:656:PHE:CA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:656:PHE:CB | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:656:PHE:CD1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:656:PHE:CD2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:656:PHE:CE1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:656:PHE:CE2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:656:PHE:CG | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:656:PHE:CZ | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:656:PHE:H | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:656:PHE:HA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:656:PHE:HB2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:656:PHE:HB3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:656:PHE:HD1 | 2 | 0.23 | 0.0 | 0.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|---------------|-----------------|---------------------|----------|---------------------|------------|
| (1,33) | 1:A:251:THR:C | 2:B:656:PHE:HD2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:656:PHE:HE1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:656:PHE:HE2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:656:PHE:HZ | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:656:PHE:N | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:656:PHE:O | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:657:SEP:C | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:657:SEP:CA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:657:SEP:CB | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:657:SEP:H | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:657:SEP:HA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:657:SEP:HB3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:657:SEP:N | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:657:SEP:O | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:657:SEP:O1P | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:657:SEP:O2P | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:657:SEP:O3P | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:657:SEP:OG | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:657:SEP:P | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:658:TYR:C | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:658:TYR:CA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:658:TYR:CB | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:658:TYR:CD1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:658:TYR:CD2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:658:TYR:CE1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:658:TYR:CE2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:658:TYR:CG | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:658:TYR:CZ | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:658:TYR:H | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:658:TYR:HA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:658:TYR:HB2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:658:TYR:HB3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:658:TYR:HD1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:658:TYR:HD2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:658:TYR:HE1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:658:TYR:HE2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:658:TYR:HH | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:658:TYR:N | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:658:TYR:O | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:658:TYR:OH | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:659:NH2:HN1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:659:NH2:HN2 | 2 | 0.23 | 0.0 | 0.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|----------------|------------------|---------------------|----------|---------------------|------------|
| (1,33) | 1:A:251:THR:C | 2:B:659:NH2:N | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:648:ACE:C | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:648:ACE:CH3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:648:ACE:H1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:648:ACE:H2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:648:ACE:H3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:648:ACE:O | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:649:ASP:C | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:649:ASP:CA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:649:ASP:CB | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:649:ASP:CG | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:649:ASP:H | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:649:ASP:HA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:649:ASP:HB2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:649:ASP:HB3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:649:ASP:N | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:649:ASP:O | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:649:ASP:OD1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:649:ASP:OD2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:650:GLN:C | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:650:GLN:CA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:650:GLN:CB | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:650:GLN:CD | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:650:GLN:CG | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:650:GLN:H | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:650:GLN:HA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:650:GLN:HB2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:650:GLN:HB3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:650:GLN:HE21 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:650:GLN:HE22 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:650:GLN:HG2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:650:GLN:HG3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:650:GLN:N | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:650:GLN:NE2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:650:GLN:O | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:650:GLN:OE1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:651:SER:C | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:651:SER:CA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:651:SER:CB | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:651:SER:H | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:651:SER:HA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:651:SER:HB2 | 2 | 0.23 | 0.0 | 0.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|----------------|-----------------|---------------------|----------|---------------------|------------|
| (1,33) | 1:A:251:THR:CA | 2:B:651:SER:HB3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:651:SER:HG | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:651:SER:N | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:651:SER:O | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:651:SER:OG | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:652:ASP:C | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:652:ASP:CA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:652:ASP:CB | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:652:ASP:CG | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:652:ASP:H | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:652:ASP:HA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:652:ASP:HB2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:652:ASP:HB3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:652:ASP:N | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:652:ASP:O | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:652:ASP:OD1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:652:ASP:OD2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:653:PHE:C | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:653:PHE:CA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:653:PHE:CB | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:653:PHE:CD1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:653:PHE:CD2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:653:PHE:CE1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:653:PHE:CE2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:653:PHE:CG | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:653:PHE:CZ | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:653:PHE:H | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:653:PHE:HA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:653:PHE:HB2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:653:PHE:HB3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:653:PHE:HD1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:653:PHE:HD2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:653:PHE:HE1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:653:PHE:HE2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:653:PHE:HZ | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:653:PHE:N | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:653:PHE:O | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:654:GLU:C | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:654:GLU:CA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:654:GLU:CB | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:654:GLU:CD | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:654:GLU:CG | 2 | 0.23 | 0.0 | 0.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|----------------|-----------------|---------------------|----------|---------------------|------------|
| (1,33) | 1:A:251:THR:CA | 2:B:654:GLU:H | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:654:GLU:HA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:654:GLU:HB2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:654:GLU:HB3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:654:GLU:HG2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:654:GLU:HG3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:654:GLU:N | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:654:GLU:O | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:654:GLU:OE1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:654:GLU:OE2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:655:GLY:C | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:655:GLY:CA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:655:GLY:H | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:655:GLY:HA2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:655:GLY:HA3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:655:GLY:N | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:655:GLY:O | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:656:PHE:C | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:656:PHE:CA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:656:PHE:CB | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:656:PHE:CD1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:656:PHE:CD2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:656:PHE:CE1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:656:PHE:CE2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:656:PHE:CG | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:656:PHE:CZ | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:656:PHE:H | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:656:PHE:HA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:656:PHE:HB2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:656:PHE:HB3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:656:PHE:HD1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:656:PHE:HD2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:656:PHE:HE1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:656:PHE:HE2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:656:PHE:HZ | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:656:PHE:N | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:656:PHE:O | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:657:SEP:C | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:657:SEP:CA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:657:SEP:CB | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:657:SEP:H | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:657:SEP:HA | 2 | 0.23 | 0.0 | 0.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|----------------|-----------------|---------------------|----------|---------------------|------------|
| (1,33) | 1:A:251:THR:CA | 2:B:657:SEP:HB3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:657:SEP:N | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:657:SEP:O | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:657:SEP:O1P | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:657:SEP:O2P | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:657:SEP:O3P | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:657:SEP:OG | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:657:SEP:P | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:658:TYR:C | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:658:TYR:CA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:658:TYR:CB | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:658:TYR:CD1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:658:TYR:CD2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:658:TYR:CE1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:658:TYR:CE2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:658:TYR:CG | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:658:TYR:CZ | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:658:TYR:H | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:658:TYR:HA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:658:TYR:HB2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:658:TYR:HB3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:658:TYR:HD1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:658:TYR:HD2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:658:TYR:HE1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:658:TYR:HE2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:658:TYR:HH | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:658:TYR:N | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:658:TYR:O | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:658:TYR:OH | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:659:NH2:HN1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:659:NH2:HN2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:659:NH2:N | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:648:ACE:C | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:648:ACE:CH3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:648:ACE:H1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:648:ACE:H2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:648:ACE:H3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:648:ACE:O | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:649:ASP:C | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:649:ASP:CA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:649:ASP:CB | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:649:ASP:CG | 2 | 0.23 | 0.0 | 0.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|----------------|------------------|---------------------|----------|---------------------|------------|
| (1,33) | 1:A:251:THR:CB | 2:B:649:ASP:H | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:649:ASP:HA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:649:ASP:HB2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:649:ASP:HB3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:649:ASP:N | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:649:ASP:O | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:649:ASP:OD1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:649:ASP:OD2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:650:GLN:C | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:650:GLN:CA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:650:GLN:CB | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:650:GLN:CD | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:650:GLN:CG | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:650:GLN:H | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:650:GLN:HA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:650:GLN:HB2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:650:GLN:HB3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:650:GLN:HE21 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:650:GLN:HE22 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:650:GLN:HG2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:650:GLN:HG3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:650:GLN:N | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:650:GLN:NE2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:650:GLN:O | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:650:GLN:OE1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:651:SER:C | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:651:SER:CA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:651:SER:CB | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:651:SER:H | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:651:SER:HA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:651:SER:HB2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:651:SER:HB3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:651:SER:HG | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:651:SER:N | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:651:SER:O | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:651:SER:OG | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:652:ASP:C | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:652:ASP:CA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:652:ASP:CB | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:652:ASP:CG | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:652:ASP:H | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:652:ASP:HA | 2 | 0.23 | 0.0 | 0.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|----------------|-----------------|---------------------|----------|---------------------|------------|
| (1,33) | 1:A:251:THR:CB | 2:B:652:ASP:HB2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:652:ASP:HB3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:652:ASP:N | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:652:ASP:O | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:652:ASP:OD1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:652:ASP:OD2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:653:PHE:C | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:653:PHE:CA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:653:PHE:CB | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:653:PHE:CD1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:653:PHE:CD2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:653:PHE:CE1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:653:PHE:CE2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:653:PHE:CG | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:653:PHE:CZ | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:653:PHE:H | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:653:PHE:HA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:653:PHE:HB2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:653:PHE:HB3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:653:PHE:HD1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:653:PHE:HD2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:653:PHE:HE1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:653:PHE:HE2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:653:PHE:HZ | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:653:PHE:N | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:653:PHE:O | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:654:GLU:C | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:654:GLU:CA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:654:GLU:CB | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:654:GLU:CD | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:654:GLU:CG | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:654:GLU:H | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:654:GLU:HA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:654:GLU:HB2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:654:GLU:HB3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:654:GLU:HG2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:654:GLU:HG3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:654:GLU:N | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:654:GLU:O | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:654:GLU:OE1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:654:GLU:OE2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:655:GLY:C | 2 | 0.23 | 0.0 | 0.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|----------------|-----------------|---------------------|----------|---------------------|------------|
| (1,33) | 1:A:251:THR:CB | 2:B:655:GLY:CA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:655:GLY:H | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:655:GLY:HA2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:655:GLY:HA3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:655:GLY:N | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:655:GLY:O | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:656:PHE:C | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:656:PHE:CA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:656:PHE:CB | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:656:PHE:CD1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:656:PHE:CD2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:656:PHE:CE1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:656:PHE:CE2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:656:PHE:CG | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:656:PHE:CZ | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:656:PHE:H | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:656:PHE:HA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:656:PHE:HB2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:656:PHE:HB3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:656:PHE:HD1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:656:PHE:HD2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:656:PHE:HE1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:656:PHE:HE2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:656:PHE:HZ | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:656:PHE:N | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:656:PHE:O | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:657:SEP:C | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:657:SEP:CA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:657:SEP:CB | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:657:SEP:H | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:657:SEP:HA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:657:SEP:HB3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:657:SEP:N | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:657:SEP:O | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:657:SEP:O1P | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:657:SEP:O2P | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:657:SEP:O3P | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:657:SEP:OG | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:657:SEP:P | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:658:TYR:C | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:658:TYR:CA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:658:TYR:CB | 2 | 0.23 | 0.0 | 0.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|-----------------|-----------------|---------------------|----------|---------------------|------------|
| (1,33) | 1:A:251:THR:CB | 2:B:658:TYR:CD1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:658:TYR:CD2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:658:TYR:CE1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:658:TYR:CE2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:658:TYR:CG | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:658:TYR:CZ | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:658:TYR:H | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:658:TYR:HA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:658:TYR:HB2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:658:TYR:HB3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:658:TYR:HD1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:658:TYR:HD2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:658:TYR:HE1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:658:TYR:HE2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:658:TYR:HH | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:658:TYR:N | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:658:TYR:O | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:658:TYR:OH | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:659:NH2:HN1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:659:NH2:HN2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:659:NH2:N | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:648:ACE:C | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:648:ACE:CH3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:648:ACE:H1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:648:ACE:H2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:648:ACE:H3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:648:ACE:O | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:649:ASP:C | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:649:ASP:CA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:649:ASP:CB | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:649:ASP:CG | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:649:ASP:H | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:649:ASP:HA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:649:ASP:HB2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:649:ASP:HB3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:649:ASP:N | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:649:ASP:O | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:649:ASP:OD1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:649:ASP:OD2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:650:GLN:C | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:650:GLN:CA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:650:GLN:CB | 2 | 0.23 | 0.0 | 0.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|-----------------|------------------|---------------------|----------|---------------------|------------|
| (1,33) | 1:A:251:THR:CG2 | 2:B:650:GLN:CD | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:650:GLN:CG | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:650:GLN:H | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:650:GLN:HA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:650:GLN:HB2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:650:GLN:HB3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:650:GLN:HE21 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:650:GLN:HE22 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:650:GLN:HG2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:650:GLN:HG3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:650:GLN:N | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:650:GLN:NE2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:650:GLN:O | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:650:GLN:OE1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:651:SER:C | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:651:SER:CA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:651:SER:CB | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:651:SER:H | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:651:SER:HA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:651:SER:HB2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:651:SER:HB3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:651:SER:HG | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:651:SER:N | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:651:SER:O | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:651:SER:OG | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:652:ASP:C | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:652:ASP:CA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:652:ASP:CB | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:652:ASP:CG | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:652:ASP:H | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:652:ASP:HA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:652:ASP:HB2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:652:ASP:HB3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:652:ASP:N | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:652:ASP:O | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:652:ASP:OD1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:652:ASP:OD2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:653:PHE:C | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:653:PHE:CA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:653:PHE:CB | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:653:PHE:CD1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:653:PHE:CD2 | 2 | 0.23 | 0.0 | 0.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|-----------------|-----------------|---------------------|----------|---------------------|------------|
| (1,33) | 1:A:251:THR:CG2 | 2:B:653:PHE:CE1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:653:PHE:CE2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:653:PHE:CG | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:653:PHE:CZ | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:653:PHE:H | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:653:PHE:HA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:653:PHE:HB2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:653:PHE:HB3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:653:PHE:HD1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:653:PHE:HD2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:653:PHE:HE1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:653:PHE:HE2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:653:PHE:HZ | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:653:PHE:N | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:653:PHE:O | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:654:GLU:C | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:654:GLU:CA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:654:GLU:CB | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:654:GLU:CD | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:654:GLU:CG | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:654:GLU:H | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:654:GLU:HA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:654:GLU:HB2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:654:GLU:HB3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:654:GLU:HG2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:654:GLU:HG3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:654:GLU:N | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:654:GLU:O | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:654:GLU:OE1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:654:GLU:OE2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:655:GLY:C | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:655:GLY:CA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:655:GLY:H | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:655:GLY:HA2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:655:GLY:HA3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:655:GLY:N | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:655:GLY:O | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:656:PHE:C | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:656:PHE:CA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:656:PHE:CB | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:656:PHE:CD1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:656:PHE:CD2 | 2 | 0.23 | 0.0 | 0.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|-----------------|-----------------|---------------------|----------|---------------------|------------|
| (1,33) | 1:A:251:THR:CG2 | 2:B:656:PHE:CE1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:656:PHE:CE2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:656:PHE:CG | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:656:PHE:CZ | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:656:PHE:H | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:656:PHE:HA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:656:PHE:HB2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:656:PHE:HB3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:656:PHE:HD1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:656:PHE:HD2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:656:PHE:HE1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:656:PHE:HE2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:656:PHE:HZ | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:656:PHE:N | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:656:PHE:O | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:657:SEP:C | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:657:SEP:CA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:657:SEP:CB | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:657:SEP:H | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:657:SEP:HA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:657:SEP:HB3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:657:SEP:N | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:657:SEP:O | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:657:SEP:O1P | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:657:SEP:O2P | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:657:SEP:O3P | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:657:SEP:OG | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:657:SEP:P | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:658:TYR:C | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:658:TYR:CA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:658:TYR:CB | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:658:TYR:CD1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:658:TYR:CD2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:658:TYR:CE1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:658:TYR:CE2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:658:TYR:CG | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:658:TYR:CZ | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:658:TYR:H | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:658:TYR:HA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:658:TYR:HB2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:658:TYR:HB3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:658:TYR:HD1 | 2 | 0.23 | 0.0 | 0.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|-----------------|------------------|---------------------|----------|---------------------|------------|
| (1,33) | 1:A:251:THR:CG2 | 2:B:658:TYR:HD2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:658:TYR:HE1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:658:TYR:HE2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:658:TYR:HH | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:658:TYR:N | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:658:TYR:O | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:658:TYR:OH | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:659:NH2:HN1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:659:NH2:HN2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:659:NH2:N | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:648:ACE:C | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:648:ACE:CH3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:648:ACE:H1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:648:ACE:H2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:648:ACE:H3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:648:ACE:O | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:649:ASP:C | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:649:ASP:CA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:649:ASP:CB | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:649:ASP:CG | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:649:ASP:H | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:649:ASP:HA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:649:ASP:HB2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:649:ASP:HB3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:649:ASP:N | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:649:ASP:O | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:649:ASP:OD1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:649:ASP:OD2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:650:GLN:C | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:650:GLN:CA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:650:GLN:CB | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:650:GLN:CD | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:650:GLN:CG | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:650:GLN:H | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:650:GLN:HA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:650:GLN:HB2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:650:GLN:HB3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:650:GLN:HE21 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:650:GLN:HE22 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:650:GLN:HG2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:650:GLN:HG3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:650:GLN:N | 2 | 0.23 | 0.0 | 0.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|---------------|-----------------|---------------------|----------|---------------------|------------|
| (1,33) | 1:A:251:THR:H | 2:B:650:GLN:NE2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:650:GLN:O | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:650:GLN:OE1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:651:SER:C | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:651:SER:CA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:651:SER:CB | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:651:SER:H | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:651:SER:HA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:651:SER:HB2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:651:SER:HB3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:651:SER:HG | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:651:SER:N | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:651:SER:O | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:651:SER:OG | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:652:ASP:C | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:652:ASP:CA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:652:ASP:CB | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:652:ASP:CG | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:652:ASP:H | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:652:ASP:HA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:652:ASP:HB2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:652:ASP:HB3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:652:ASP:N | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:652:ASP:O | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:652:ASP:OD1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:652:ASP:OD2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:653:PHE:C | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:653:PHE:CA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:653:PHE:CB | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:653:PHE:CD1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:653:PHE:CD2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:653:PHE:CE1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:653:PHE:CE2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:653:PHE:CG | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:653:PHE:CZ | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:653:PHE:H | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:653:PHE:HA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:653:PHE:HB2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:653:PHE:HB3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:653:PHE:HD1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:653:PHE:HD2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:653:PHE:HE1 | 2 | 0.23 | 0.0 | 0.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|---------------|-----------------|---------------------|----------|---------------------|------------|
| (1,33) | 1:A:251:THR:H | 2:B:653:PHE:HE2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:653:PHE:HZ | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:653:PHE:N | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:653:PHE:O | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:654:GLU:C | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:654:GLU:CA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:654:GLU:CB | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:654:GLU:CD | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:654:GLU:CG | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:654:GLU:H | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:654:GLU:HA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:654:GLU:HB2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:654:GLU:HB3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:654:GLU:HG2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:654:GLU:HG3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:654:GLU:N | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:654:GLU:O | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:654:GLU:OE1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:654:GLU:OE2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:655:GLY:C | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:655:GLY:CA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:655:GLY:H | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:655:GLY:HA2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:655:GLY:HA3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:655:GLY:N | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:655:GLY:O | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:656:PHE:C | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:656:PHE:CA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:656:PHE:CB | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:656:PHE:CD1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:656:PHE:CD2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:656:PHE:CE1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:656:PHE:CE2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:656:PHE:CG | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:656:PHE:CZ | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:656:PHE:H | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:656:PHE:HA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:656:PHE:HB2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:656:PHE:HB3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:656:PHE:HD1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:656:PHE:HD2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:656:PHE:HE1 | 2 | 0.23 | 0.0 | 0.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|----------------|-----------------|---------------------|----------|---------------------|------------|
| (1,33) | 1:A:251:THR:H | 2:B:656:PHE:HE2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:656:PHE:HZ | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:656:PHE:N | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:656:PHE:O | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:657:SEP:C | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:657:SEP:CA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:657:SEP:CB | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:657:SEP:H | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:657:SEP:HA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:657:SEP:HB3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:657:SEP:N | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:657:SEP:O | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:657:SEP:O1P | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:657:SEP:O2P | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:657:SEP:O3P | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:657:SEP:OG | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:657:SEP:P | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:658:TYR:C | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:658:TYR:CA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:658:TYR:CB | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:658:TYR:CD1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:658:TYR:CD2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:658:TYR:CE1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:658:TYR:CE2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:658:TYR:CG | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:658:TYR:CZ | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:658:TYR:H | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:658:TYR:HA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:658:TYR:HB2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:658:TYR:HB3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:658:TYR:HD1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:658:TYR:HD2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:658:TYR:HE1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:658:TYR:HE2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:658:TYR:HH | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:658:TYR:N | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:658:TYR:O | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:658:TYR:OH | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:659:NH2:HN1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:659:NH2:HN2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:659:NH2:N | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:648:ACE:C | 2 | 0.23 | 0.0 | 0.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|----------------|------------------|---------------------|----------|---------------------|------------|
| (1,33) | 1:A:251:THR:HA | 2:B:648:ACE:CH3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:648:ACE:H1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:648:ACE:H2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:648:ACE:H3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:648:ACE:O | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:649:ASP:C | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:649:ASP:CA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:649:ASP:CB | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:649:ASP:CG | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:649:ASP:H | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:649:ASP:HA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:649:ASP:HB2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:649:ASP:HB3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:649:ASP:N | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:649:ASP:O | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:649:ASP:OD1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:649:ASP:OD2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:650:GLN:C | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:650:GLN:CA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:650:GLN:CB | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:650:GLN:CD | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:650:GLN:CG | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:650:GLN:H | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:650:GLN:HA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:650:GLN:HB2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:650:GLN:HB3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:650:GLN:HE21 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:650:GLN:HE22 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:650:GLN:HG2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:650:GLN:HG3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:650:GLN:N | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:650:GLN:NE2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:650:GLN:O | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:650:GLN:OE1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:651:SER:C | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:651:SER:CA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:651:SER:CB | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:651:SER:H | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:651:SER:HA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:651:SER:HB2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:651:SER:HB3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:651:SER:HG | 2 | 0.23 | 0.0 | 0.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|----------------|-----------------|---------------------|----------|---------------------|------------|
| (1,33) | 1:A:251:THR:HA | 2:B:651:SER:N | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:651:SER:O | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:651:SER:OG | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:652:ASP:C | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:652:ASP:CA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:652:ASP:CB | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:652:ASP:CG | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:652:ASP:H | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:652:ASP:HA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:652:ASP:HB2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:652:ASP:HB3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:652:ASP:N | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:652:ASP:O | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:652:ASP:OD1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:652:ASP:OD2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:653:PHE:C | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:653:PHE:CA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:653:PHE:CB | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:653:PHE:CD1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:653:PHE:CD2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:653:PHE:CE1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:653:PHE:CE2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:653:PHE:CG | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:653:PHE:CZ | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:653:PHE:H | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:653:PHE:HA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:653:PHE:HB2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:653:PHE:HB3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:653:PHE:HD1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:653:PHE:HD2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:653:PHE:HE1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:653:PHE:HE2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:653:PHE:HZ | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:653:PHE:N | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:653:PHE:O | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:654:GLU:C | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:654:GLU:CA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:654:GLU:CB | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:654:GLU:CD | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:654:GLU:CG | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:654:GLU:H | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:654:GLU:HA | 2 | 0.23 | 0.0 | 0.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|----------------|-----------------|---------------------|----------|---------------------|------------|
| (1,33) | 1:A:251:THR:HA | 2:B:654:GLU:HB2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:654:GLU:HB3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:654:GLU:HG2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:654:GLU:HG3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:654:GLU:N | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:654:GLU:O | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:654:GLU:OE1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:654:GLU:OE2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:655:GLY:C | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:655:GLY:CA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:655:GLY:H | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:655:GLY:HA2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:655:GLY:HA3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:655:GLY:N | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:655:GLY:O | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:656:PHE:C | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:656:PHE:CA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:656:PHE:CB | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:656:PHE:CD1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:656:PHE:CD2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:656:PHE:CE1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:656:PHE:CE2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:656:PHE:CG | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:656:PHE:CZ | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:656:PHE:H | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:656:PHE:HA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:656:PHE:HB2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:656:PHE:HB3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:656:PHE:HD1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:656:PHE:HD2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:656:PHE:HE1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:656:PHE:HE2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:656:PHE:HZ | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:656:PHE:N | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:656:PHE:O | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:657:SEP:C | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:657:SEP:CA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:657:SEP:CB | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:657:SEP:H | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:657:SEP:HA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:657:SEP:HB3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:657:SEP:N | 2 | 0.23 | 0.0 | 0.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|----------------|-----------------|---------------------|----------|---------------------|------------|
| (1,33) | 1:A:251:THR:HA | 2:B:657:SEP:O | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:657:SEP:O1P | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:657:SEP:O2P | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:657:SEP:O3P | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:657:SEP:OG | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:657:SEP:P | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:658:TYR:C | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:658:TYR:CA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:658:TYR:CB | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:658:TYR:CD1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:658:TYR:CD2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:658:TYR:CE1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:658:TYR:CE2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:658:TYR:CG | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:658:TYR:CZ | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:658:TYR:H | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:658:TYR:HA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:658:TYR:HB2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:658:TYR:HB3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:658:TYR:HD1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:658:TYR:HD2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:658:TYR:HE1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:658:TYR:HE2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:658:TYR:HH | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:658:TYR:N | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:658:TYR:O | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:658:TYR:OH | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:659:NH2:HN1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:659:NH2:HN2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:659:NH2:N | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:648:ACE:C | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:648:ACE:CH3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:648:ACE:H1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:648:ACE:H2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:648:ACE:H3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:648:ACE:O | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:649:ASP:C | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:649:ASP:CA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:649:ASP:CB | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:649:ASP:CG | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:649:ASP:H | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:649:ASP:HA | 2 | 0.23 | 0.0 | 0.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|----------------|------------------|---------------------|----------|---------------------|------------|
| (1,33) | 1:A:251:THR:HB | 2:B:649:ASP:HB2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:649:ASP:HB3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:649:ASP:N | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:649:ASP:O | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:649:ASP:OD1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:649:ASP:OD2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:650:GLN:C | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:650:GLN:CA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:650:GLN:CB | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:650:GLN:CD | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:650:GLN:CG | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:650:GLN:H | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:650:GLN:HA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:650:GLN:HB2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:650:GLN:HB3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:650:GLN:HE21 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:650:GLN:HE22 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:650:GLN:HG2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:650:GLN:HG3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:650:GLN:N | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:650:GLN:NE2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:650:GLN:O | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:650:GLN:OE1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:651:SER:C | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:651:SER:CA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:651:SER:CB | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:651:SER:H | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:651:SER:HA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:651:SER:HB2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:651:SER:HB3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:651:SER:HG | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:651:SER:N | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:651:SER:O | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:651:SER:OG | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:652:ASP:C | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:652:ASP:CA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:652:ASP:CB | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:652:ASP:CG | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:652:ASP:H | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:652:ASP:HA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:652:ASP:HB2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:652:ASP:HB3 | 2 | 0.23 | 0.0 | 0.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|----------------|-----------------|---------------------|----------|---------------------|------------|
| (1,33) | 1:A:251:THR:HB | 2:B:652:ASP:N | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:652:ASP:O | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:652:ASP:OD1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:652:ASP:OD2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:653:PHE:C | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:653:PHE:CA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:653:PHE:CB | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:653:PHE:CD1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:653:PHE:CD2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:653:PHE:CE1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:653:PHE:CE2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:653:PHE:CG | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:653:PHE:CZ | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:653:PHE:H | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:653:PHE:HA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:653:PHE:HB2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:653:PHE:HB3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:653:PHE:HD1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:653:PHE:HD2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:653:PHE:HE1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:653:PHE:HE2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:653:PHE:HZ | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:653:PHE:N | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:653:PHE:O | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:654:GLU:C | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:654:GLU:CA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:654:GLU:CB | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:654:GLU:CD | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:654:GLU:CG | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:654:GLU:H | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:654:GLU:HA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:654:GLU:HB2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:654:GLU:HB3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:654:GLU:HG2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:654:GLU:HG3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:654:GLU:N | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:654:GLU:O | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:654:GLU:OE1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:654:GLU:OE2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:655:GLY:C | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:655:GLY:CA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:655:GLY:H | 2 | 0.23 | 0.0 | 0.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|----------------|-----------------|---------------------|----------|---------------------|------------|
| (1,33) | 1:A:251:THR:HB | 2:B:655:GLY:HA2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:655:GLY:HA3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:655:GLY:N | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:655:GLY:O | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:656:PHE:C | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:656:PHE:CA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:656:PHE:CB | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:656:PHE:CD1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:656:PHE:CD2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:656:PHE:CE1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:656:PHE:CE2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:656:PHE:CG | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:656:PHE:CZ | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:656:PHE:H | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:656:PHE:HA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:656:PHE:HB2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:656:PHE:HB3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:656:PHE:HD1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:656:PHE:HD2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:656:PHE:HE1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:656:PHE:HE2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:656:PHE:HZ | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:656:PHE:N | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:656:PHE:O | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:657:SEP:C | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:657:SEP:CA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:657:SEP:CB | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:657:SEP:H | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:657:SEP:HA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:657:SEP:HB3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:657:SEP:N | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:657:SEP:O | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:657:SEP:O1P | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:657:SEP:O2P | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:657:SEP:O3P | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:657:SEP:OG | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:657:SEP:P | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:658:TYR:C | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:658:TYR:CA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:658:TYR:CB | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:658:TYR:CD1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:658:TYR:CD2 | 2 | 0.23 | 0.0 | 0.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|-----------------|-----------------|---------------------|----------|---------------------|------------|
| (1,33) | 1:A:251:THR:HB | 2:B:658:TYR:CE1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:658:TYR:CE2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:658:TYR:CG | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:658:TYR:CZ | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:658:TYR:H | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:658:TYR:HA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:658:TYR:HB2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:658:TYR:HB3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:658:TYR:HD1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:658:TYR:HD2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:658:TYR:HE1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:658:TYR:HE2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:658:TYR:HH | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:658:TYR:N | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:658:TYR:O | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:658:TYR:OH | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:659:NH2:HN1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:659:NH2:HN2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:659:NH2:N | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:648:ACE:C | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:648:ACE:CH3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:648:ACE:H1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:648:ACE:H2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:648:ACE:H3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:648:ACE:O | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:649:ASP:C | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:649:ASP:CA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:649:ASP:CB | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:649:ASP:CG | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:649:ASP:H | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:649:ASP:HA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:649:ASP:HB2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:649:ASP:HB3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:649:ASP:N | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:649:ASP:O | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:649:ASP:OD1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:649:ASP:OD2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:650:GLN:C | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:650:GLN:CA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:650:GLN:CB | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:650:GLN:CD | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:650:GLN:CG | 2 | 0.23 | 0.0 | 0.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|-----------------|------------------|---------------------|----------|---------------------|------------|
| (1,33) | 1:A:251:THR:HG1 | 2:B:650:GLN:H | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:650:GLN:HA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:650:GLN:HB2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:650:GLN:HB3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:650:GLN:HE21 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:650:GLN:HE22 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:650:GLN:HG2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:650:GLN:HG3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:650:GLN:N | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:650:GLN:NE2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:650:GLN:O | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:650:GLN:OE1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:651:SER:C | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:651:SER:CA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:651:SER:CB | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:651:SER:H | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:651:SER:HA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:651:SER:HB2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:651:SER:HB3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:651:SER:HG | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:651:SER:N | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:651:SER:O | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:651:SER:OG | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:652:ASP:C | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:652:ASP:CA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:652:ASP:CB | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:652:ASP:CG | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:652:ASP:H | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:652:ASP:HA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:652:ASP:HB2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:652:ASP:HB3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:652:ASP:N | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:652:ASP:O | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:652:ASP:OD1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:652:ASP:OD2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:653:PHE:C | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:653:PHE:CA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:653:PHE:CB | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:653:PHE:CD1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:653:PHE:CD2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:653:PHE:CE1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:653:PHE:CE2 | 2 | 0.23 | 0.0 | 0.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|-----------------|-----------------|---------------------|----------|---------------------|------------|
| (1,33) | 1:A:251:THR:HG1 | 2:B:653:PHE:CG | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:653:PHE:CZ | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:653:PHE:H | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:653:PHE:HA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:653:PHE:HB2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:653:PHE:HB3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:653:PHE:HD1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:653:PHE:HD2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:653:PHE:HE1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:653:PHE:HE2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:653:PHE:HZ | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:653:PHE:N | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:653:PHE:O | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:654:GLU:C | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:654:GLU:CA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:654:GLU:CB | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:654:GLU:CD | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:654:GLU:CG | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:654:GLU:H | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:654:GLU:HA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:654:GLU:HB2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:654:GLU:HB3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:654:GLU:HG2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:654:GLU:HG3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:654:GLU:N | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:654:GLU:O | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:654:GLU:OE1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:654:GLU:OE2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:655:GLY:C | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:655:GLY:CA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:655:GLY:H | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:655:GLY:HA2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:655:GLY:HA3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:655:GLY:N | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:655:GLY:O | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:656:PHE:C | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:656:PHE:CA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:656:PHE:CB | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:656:PHE:CD1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:656:PHE:CD2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:656:PHE:CE1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:656:PHE:CE2 | 2 | 0.23 | 0.0 | 0.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|-----------------|-----------------|---------------------|----------|---------------------|------------|
| (1,33) | 1:A:251:THR:HG1 | 2:B:656:PHE:CG | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:656:PHE:CZ | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:656:PHE:H | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:656:PHE:HA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:656:PHE:HB2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:656:PHE:HB3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:656:PHE:HD1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:656:PHE:HD2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:656:PHE:HE1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:656:PHE:HE2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:656:PHE:HZ | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:656:PHE:N | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:656:PHE:O | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:657:SEP:C | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:657:SEP:CA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:657:SEP:CB | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:657:SEP:H | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:657:SEP:HA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:657:SEP:HB3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:657:SEP:N | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:657:SEP:O | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:657:SEP:O1P | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:657:SEP:O2P | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:657:SEP:O3P | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:657:SEP:OG | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:657:SEP:P | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:658:TYR:C | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:658:TYR:CA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:658:TYR:CB | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:658:TYR:CD1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:658:TYR:CD2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:658:TYR:CE1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:658:TYR:CE2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:658:TYR:CG | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:658:TYR:CZ | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:658:TYR:H | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:658:TYR:HA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:658:TYR:HB2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:658:TYR:HB3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:658:TYR:HD1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:658:TYR:HD2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:658:TYR:HE1 | 2 | 0.23 | 0.0 | 0.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|------------------|------------------|---------------------|----------|---------------------|------------|
| (1,33) | 1:A:251:THR:HG1 | 2:B:658:TYR:HE2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:658:TYR:HH | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:658:TYR:N | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:658:TYR:O | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:658:TYR:OH | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:659:NH2:HN1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:659:NH2:HN2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:659:NH2:N | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:648:ACE:C | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:648:ACE:CH3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:648:ACE:H1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:648:ACE:H2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:648:ACE:H3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:648:ACE:O | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:649:ASP:C | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:649:ASP:CA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:649:ASP:CB | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:649:ASP:CG | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:649:ASP:H | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:649:ASP:HA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:649:ASP:HB2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:649:ASP:HB3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:649:ASP:N | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:649:ASP:O | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:649:ASP:OD1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:649:ASP:OD2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:650:GLN:C | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:650:GLN:CA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:650:GLN:CB | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:650:GLN:CD | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:650:GLN:CG | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:650:GLN:H | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:650:GLN:HA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:650:GLN:HB2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:650:GLN:HB3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:650:GLN:HE21 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:650:GLN:HE22 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:650:GLN:HG2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:650:GLN:HG3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:650:GLN:N | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:650:GLN:NE2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:650:GLN:O | 2 | 0.23 | 0.0 | 0.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|------------------|-----------------|---------------------|----------|---------------------|------------|
| (1,33) | 1:A:251:THR:HG21 | 2:B:650:GLN:OE1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:651:SER:C | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:651:SER:CA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:651:SER:CB | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:651:SER:H | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:651:SER:HA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:651:SER:HB2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:651:SER:HB3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:651:SER:HG | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:651:SER:N | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:651:SER:O | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:651:SER:OG | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:652:ASP:C | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:652:ASP:CA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:652:ASP:CB | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:652:ASP:CG | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:652:ASP:H | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:652:ASP:HA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:652:ASP:HB2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:652:ASP:HB3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:652:ASP:N | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:652:ASP:O | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:652:ASP:OD1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:652:ASP:OD2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:653:PHE:C | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:653:PHE:CA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:653:PHE:CB | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:653:PHE:CD1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:653:PHE:CD2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:653:PHE:CE1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:653:PHE:CE2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:653:PHE:CG | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:653:PHE:CZ | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:653:PHE:H | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:653:PHE:HA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:653:PHE:HB2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:653:PHE:HB3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:653:PHE:HD1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:653:PHE:HD2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:653:PHE:HE1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:653:PHE:HE2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:653:PHE:HZ | 2 | 0.23 | 0.0 | 0.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|------------------|-----------------|---------------------|----------|---------------------|------------|
| (1,33) | 1:A:251:THR:HG21 | 2:B:653:PHE:N | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:653:PHE:O | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:654:GLU:C | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:654:GLU:CA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:654:GLU:CB | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:654:GLU:CD | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:654:GLU:CG | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:654:GLU:H | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:654:GLU:HA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:654:GLU:HB2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:654:GLU:HB3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:654:GLU:HG2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:654:GLU:HG3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:654:GLU:N | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:654:GLU:O | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:654:GLU:OE1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:654:GLU:OE2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:655:GLY:C | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:655:GLY:CA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:655:GLY:H | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:655:GLY:HA2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:655:GLY:HA3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:655:GLY:N | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:655:GLY:O | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:656:PHE:C | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:656:PHE:CA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:656:PHE:CB | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:656:PHE:CD1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:656:PHE:CD2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:656:PHE:CE1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:656:PHE:CE2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:656:PHE:CG | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:656:PHE:CZ | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:656:PHE:H | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:656:PHE:HA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:656:PHE:HB2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:656:PHE:HB3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:656:PHE:HD1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:656:PHE:HD2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:656:PHE:HE1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:656:PHE:HE2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:656:PHE:HZ | 2 | 0.23 | 0.0 | 0.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|------------------|-----------------|---------------------|----------|---------------------|------------|
| (1,33) | 1:A:251:THR:HG21 | 2:B:656:PHE:N | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:656:PHE:O | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:657:SEP:C | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:657:SEP:CA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:657:SEP:CB | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:657:SEP:H | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:657:SEP:HA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:657:SEP:HB3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:657:SEP:N | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:657:SEP:O | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:657:SEP:O1P | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:657:SEP:O2P | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:657:SEP:O3P | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:657:SEP:OG | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:657:SEP:P | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:658:TYR:C | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:658:TYR:CA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:658:TYR:CB | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:658:TYR:CD1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:658:TYR:CD2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:658:TYR:CE1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:658:TYR:CE2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:658:TYR:CG | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:658:TYR:CZ | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:658:TYR:H | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:658:TYR:HA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:658:TYR:HB2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:658:TYR:HB3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:658:TYR:HD1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:658:TYR:HD2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:658:TYR:HE1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:658:TYR:HE2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:658:TYR:HH | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:658:TYR:N | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:658:TYR:O | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:658:TYR:OH | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:659:NH2:HN1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:659:NH2:HN2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:659:NH2:N | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:648:ACE:C | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:648:ACE:CH3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:648:ACE:H1 | 2 | 0.23 | 0.0 | 0.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|------------------|------------------|---------------------|----------|---------------------|------------|
| (1,33) | 1:A:251:THR:HG22 | 2:B:648:ACE:H2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:648:ACE:H3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:648:ACE:O | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:649:ASP:C | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:649:ASP:CA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:649:ASP:CB | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:649:ASP:CG | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:649:ASP:H | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:649:ASP:HA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:649:ASP:HB2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:649:ASP:HB3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:649:ASP:N | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:649:ASP:O | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:649:ASP:OD1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:649:ASP:OD2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:650:GLN:C | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:650:GLN:CA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:650:GLN:CB | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:650:GLN:CD | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:650:GLN:CG | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:650:GLN:H | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:650:GLN:HA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:650:GLN:HB2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:650:GLN:HB3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:650:GLN:HE21 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:650:GLN:HE22 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:650:GLN:HG2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:650:GLN:HG3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:650:GLN:N | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:650:GLN:NE2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:650:GLN:O | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:650:GLN:OE1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:651:SER:C | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:651:SER:CA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:651:SER:CB | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:651:SER:H | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:651:SER:HA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:651:SER:HB2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:651:SER:HB3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:651:SER:HG | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:651:SER:N | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:651:SER:O | 2 | 0.23 | 0.0 | 0.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|------------------|-----------------|---------------------|----------|---------------------|------------|
| (1,33) | 1:A:251:THR:HG22 | 2:B:651:SER:OG | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:652:ASP:C | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:652:ASP:CA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:652:ASP:CB | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:652:ASP:CG | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:652:ASP:H | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:652:ASP:HA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:652:ASP:HB2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:652:ASP:HB3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:652:ASP:N | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:652:ASP:O | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:652:ASP:OD1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:652:ASP:OD2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:653:PHE:C | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:653:PHE:CA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:653:PHE:CB | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:653:PHE:CD1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:653:PHE:CD2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:653:PHE:CE1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:653:PHE:CE2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:653:PHE:CG | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:653:PHE:CZ | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:653:PHE:H | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:653:PHE:HA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:653:PHE:HB2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:653:PHE:HB3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:653:PHE:HD1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:653:PHE:HD2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:653:PHE:HE1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:653:PHE:HE2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:653:PHE:HZ | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:653:PHE:N | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:653:PHE:O | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:654:GLU:C | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:654:GLU:CA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:654:GLU:CB | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:654:GLU:CD | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:654:GLU:CG | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:654:GLU:H | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:654:GLU:HA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:654:GLU:HB2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:654:GLU:HB3 | 2 | 0.23 | 0.0 | 0.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|------------------|-----------------|---------------------|----------|---------------------|------------|
| (1,33) | 1:A:251:THR:HG22 | 2:B:654:GLU:HG2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:654:GLU:HG3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:654:GLU:N | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:654:GLU:O | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:654:GLU:OE1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:654:GLU:OE2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:655:GLY:C | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:655:GLY:CA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:655:GLY:H | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:655:GLY:HA2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:655:GLY:HA3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:655:GLY:N | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:655:GLY:O | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:656:PHE:C | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:656:PHE:CA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:656:PHE:CB | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:656:PHE:CD1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:656:PHE:CD2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:656:PHE:CE1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:656:PHE:CE2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:656:PHE:CG | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:656:PHE:CZ | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:656:PHE:H | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:656:PHE:HA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:656:PHE:HB2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:656:PHE:HB3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:656:PHE:HD1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:656:PHE:HD2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:656:PHE:HE1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:656:PHE:HE2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:656:PHE:HZ | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:656:PHE:N | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:656:PHE:O | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:657:SEP:C | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:657:SEP:CA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:657:SEP:CB | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:657:SEP:H | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:657:SEP:HA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:657:SEP:HB3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:657:SEP:N | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:657:SEP:O | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:657:SEP:O1P | 2 | 0.23 | 0.0 | 0.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|------------------|-----------------|---------------------|----------|---------------------|------------|
| (1,33) | 1:A:251:THR:HG22 | 2:B:657:SEP:O2P | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:657:SEP:O3P | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:657:SEP:OG | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:657:SEP:P | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:658:TYR:C | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:658:TYR:CA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:658:TYR:CB | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:658:TYR:CD1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:658:TYR:CD2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:658:TYR:CE1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:658:TYR:CE2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:658:TYR:CG | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:658:TYR:CZ | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:658:TYR:H | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:658:TYR:HA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:658:TYR:HB2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:658:TYR:HB3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:658:TYR:HD1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:658:TYR:HD2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:658:TYR:HE1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:658:TYR:HE2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:658:TYR:HH | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:658:TYR:N | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:658:TYR:O | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:658:TYR:OH | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:659:NH2:HN1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:659:NH2:HN2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:659:NH2:N | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:648:ACE:C | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:648:ACE:CH3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:648:ACE:H1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:648:ACE:H2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:648:ACE:H3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:648:ACE:O | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:649:ASP:C | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:649:ASP:CA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:649:ASP:CB | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:649:ASP:CG | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:649:ASP:H | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:649:ASP:HA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:649:ASP:HB2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:649:ASP:HB3 | 2 | 0.23 | 0.0 | 0.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|------------------|------------------|---------------------|----------|---------------------|------------|
| (1,33) | 1:A:251:THR:HG23 | 2:B:649:ASP:N | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:649:ASP:O | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:649:ASP:OD1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:649:ASP:OD2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:650:GLN:C | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:650:GLN:CA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:650:GLN:CB | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:650:GLN:CD | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:650:GLN:CG | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:650:GLN:H | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:650:GLN:HA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:650:GLN:HB2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:650:GLN:HB3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:650:GLN:HE21 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:650:GLN:HE22 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:650:GLN:HG2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:650:GLN:HG3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:650:GLN:N | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:650:GLN:NE2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:650:GLN:O | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:650:GLN:OE1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:651:SER:C | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:651:SER:CA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:651:SER:CB | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:651:SER:H | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:651:SER:HA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:651:SER:HB2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:651:SER:HB3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:651:SER:HG | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:651:SER:N | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:651:SER:O | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:651:SER:OG | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:652:ASP:C | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:652:ASP:CA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:652:ASP:CB | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:652:ASP:CG | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:652:ASP:H | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:652:ASP:HA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:652:ASP:HB2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:652:ASP:HB3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:652:ASP:N | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:652:ASP:O | 2 | 0.23 | 0.0 | 0.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|------------------|-----------------|---------------------|----------|---------------------|------------|
| (1,33) | 1:A:251:THR:HG23 | 2:B:652:ASP:OD1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:652:ASP:OD2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:653:PHE:C | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:653:PHE:CA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:653:PHE:CB | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:653:PHE:CD1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:653:PHE:CD2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:653:PHE:CE1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:653:PHE:CE2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:653:PHE:CG | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:653:PHE:CZ | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:653:PHE:H | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:653:PHE:HA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:653:PHE:HB2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:653:PHE:HB3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:653:PHE:HD1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:653:PHE:HD2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:653:PHE:HE1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:653:PHE:HE2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:653:PHE:HZ | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:653:PHE:N | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:653:PHE:O | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:654:GLU:C | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:654:GLU:CA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:654:GLU:CB | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:654:GLU:CD | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:654:GLU:CG | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:654:GLU:H | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:654:GLU:HA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:654:GLU:HB2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:654:GLU:HB3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:654:GLU:HG2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:654:GLU:HG3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:654:GLU:N | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:654:GLU:O | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:654:GLU:OE1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:654:GLU:OE2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:655:GLY:C | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:655:GLY:CA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:655:GLY:H | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:655:GLY:HA2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:655:GLY:HA3 | 2 | 0.23 | 0.0 | 0.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|------------------|-----------------|---------------------|----------|---------------------|------------|
| (1,33) | 1:A:251:THR:HG23 | 2:B:655:GLY:N | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:655:GLY:O | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:656:PHE:C | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:656:PHE:CA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:656:PHE:CB | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:656:PHE:CD1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:656:PHE:CD2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:656:PHE:CE1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:656:PHE:CE2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:656:PHE:CG | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:656:PHE:CZ | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:656:PHE:H | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:656:PHE:HA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:656:PHE:HB2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:656:PHE:HB3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:656:PHE:HD1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:656:PHE:HD2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:656:PHE:HE1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:656:PHE:HE2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:656:PHE:HZ | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:656:PHE:N | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:656:PHE:O | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:657:SEP:C | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:657:SEP:CA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:657:SEP:CB | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:657:SEP:H | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:657:SEP:HA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:657:SEP:HB3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:657:SEP:N | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:657:SEP:O | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:657:SEP:O1P | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:657:SEP:O2P | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:657:SEP:O3P | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:657:SEP:OG | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:657:SEP:P | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:658:TYR:C | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:658:TYR:CA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:658:TYR:CB | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:658:TYR:CD1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:658:TYR:CD2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:658:TYR:CE1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:658:TYR:CE2 | 2 | 0.23 | 0.0 | 0.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|------------------|-----------------|---------------------|----------|---------------------|------------|
| (1,33) | 1:A:251:THR:HG23 | 2:B:658:TYR:CG | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:658:TYR:CZ | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:658:TYR:H | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:658:TYR:HA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:658:TYR:HB2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:658:TYR:HB3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:658:TYR:HD1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:658:TYR:HD2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:658:TYR:HE1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:658:TYR:HE2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:658:TYR:HH | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:658:TYR:N | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:658:TYR:O | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:658:TYR:OH | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:659:NH2:HN1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:659:NH2:HN2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:659:NH2:N | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:648:ACE:C | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:648:ACE:CH3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:648:ACE:H1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:648:ACE:H2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:648:ACE:H3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:648:ACE:O | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:649:ASP:C | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:649:ASP:CA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:649:ASP:CB | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:649:ASP:CG | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:649:ASP:H | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:649:ASP:HA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:649:ASP:HB2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:649:ASP:HB3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:649:ASP:N | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:649:ASP:O | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:649:ASP:OD1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:649:ASP:OD2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:650:GLN:C | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:650:GLN:CA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:650:GLN:CB | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:650:GLN:CD | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:650:GLN:CG | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:650:GLN:H | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:650:GLN:HA | 2 | 0.23 | 0.0 | 0.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|---------------|------------------|---------------------|----------|---------------------|------------|
| (1,33) | 1:A:251:THR:N | 2:B:650:GLN:HB2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:650:GLN:HB3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:650:GLN:HE21 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:650:GLN:HE22 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:650:GLN:HG2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:650:GLN:HG3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:650:GLN:N | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:650:GLN:NE2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:650:GLN:O | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:650:GLN:OE1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:651:SER:C | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:651:SER:CA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:651:SER:CB | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:651:SER:H | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:651:SER:HA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:651:SER:HB2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:651:SER:HB3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:651:SER:HG | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:651:SER:N | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:651:SER:O | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:651:SER:OG | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:652:ASP:C | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:652:ASP:CA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:652:ASP:CB | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:652:ASP:CG | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:652:ASP:H | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:652:ASP:HA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:652:ASP:HB2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:652:ASP:HB3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:652:ASP:N | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:652:ASP:O | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:652:ASP:OD1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:652:ASP:OD2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:653:PHE:C | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:653:PHE:CA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:653:PHE:CB | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:653:PHE:CD1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:653:PHE:CD2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:653:PHE:CE1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:653:PHE:CE2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:653:PHE:CG | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:653:PHE:CZ | 2 | 0.23 | 0.0 | 0.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|---------------|-----------------|---------------------|----------|---------------------|------------|
| (1,33) | 1:A:251:THR:N | 2:B:653:PHE:H | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:653:PHE:HA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:653:PHE:HB2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:653:PHE:HB3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:653:PHE:HD1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:653:PHE:HD2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:653:PHE:HE1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:653:PHE:HE2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:653:PHE:HZ | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:653:PHE:N | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:653:PHE:O | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:654:GLU:C | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:654:GLU:CA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:654:GLU:CB | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:654:GLU:CD | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:654:GLU:CG | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:654:GLU:H | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:654:GLU:HA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:654:GLU:HB2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:654:GLU:HB3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:654:GLU:HG2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:654:GLU:HG3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:654:GLU:N | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:654:GLU:O | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:654:GLU:OE1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:654:GLU:OE2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:655:GLY:C | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:655:GLY:CA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:655:GLY:H | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:655:GLY:HA2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:655:GLY:HA3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:655:GLY:N | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:655:GLY:O | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:656:PHE:C | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:656:PHE:CA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:656:PHE:CB | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:656:PHE:CD1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:656:PHE:CD2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:656:PHE:CE1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:656:PHE:CE2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:656:PHE:CG | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:656:PHE:CZ | 2 | 0.23 | 0.0 | 0.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|---------------|-----------------|---------------------|----------|---------------------|------------|
| (1,33) | 1:A:251:THR:N | 2:B:656:PHE:H | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:656:PHE:HA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:656:PHE:HB2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:656:PHE:HB3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:656:PHE:HD1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:656:PHE:HD2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:656:PHE:HE1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:656:PHE:HE2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:656:PHE:HZ | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:656:PHE:N | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:656:PHE:O | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:657:SEP:C | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:657:SEP:CA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:657:SEP:CB | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:657:SEP:H | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:657:SEP:HA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:657:SEP:HB3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:657:SEP:N | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:657:SEP:O | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:657:SEP:O1P | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:657:SEP:O2P | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:657:SEP:O3P | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:657:SEP:OG | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:657:SEP:P | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:658:TYR:C | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:658:TYR:CA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:658:TYR:CB | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:658:TYR:CD1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:658:TYR:CD2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:658:TYR:CE1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:658:TYR:CE2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:658:TYR:CG | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:658:TYR:CZ | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:658:TYR:H | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:658:TYR:HA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:658:TYR:HB2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:658:TYR:HB3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:658:TYR:HD1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:658:TYR:HD2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:658:TYR:HE1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:658:TYR:HE2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:658:TYR:HH | 2 | 0.23 | 0.0 | 0.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|---------------|------------------|---------------------|----------|---------------------|------------|
| (1,33) | 1:A:251:THR:N | 2:B:658:TYR:N | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:658:TYR:O | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:658:TYR:OH | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:659:NH2:HN1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:659:NH2:HN2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:659:NH2:N | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:648:ACE:C | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:648:ACE:CH3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:648:ACE:H1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:648:ACE:H2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:648:ACE:H3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:648:ACE:O | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:649:ASP:C | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:649:ASP:CA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:649:ASP:CB | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:649:ASP:CG | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:649:ASP:H | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:649:ASP:HA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:649:ASP:HB2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:649:ASP:HB3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:649:ASP:N | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:649:ASP:O | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:649:ASP:OD1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:649:ASP:OD2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:650:GLN:C | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:650:GLN:CA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:650:GLN:CB | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:650:GLN:CD | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:650:GLN:CG | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:650:GLN:H | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:650:GLN:HA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:650:GLN:HB2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:650:GLN:HB3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:650:GLN:HE21 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:650:GLN:HE22 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:650:GLN:HG2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:650:GLN:HG3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:650:GLN:N | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:650:GLN:NE2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:650:GLN:O | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:650:GLN:OE1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:651:SER:C | 2 | 0.23 | 0.0 | 0.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|---------------|-----------------|---------------------|----------|---------------------|------------|
| (1,33) | 1:A:251:THR:O | 2:B:651:SER:CA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:651:SER:CB | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:651:SER:H | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:651:SER:HA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:651:SER:HB2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:651:SER:HB3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:651:SER:HG | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:651:SER:N | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:651:SER:O | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:651:SER:OG | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:652:ASP:C | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:652:ASP:CA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:652:ASP:CB | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:652:ASP:CG | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:652:ASP:H | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:652:ASP:HA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:652:ASP:HB2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:652:ASP:HB3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:652:ASP:N | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:652:ASP:O | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:652:ASP:OD1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:652:ASP:OD2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:653:PHE:C | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:653:PHE:CA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:653:PHE:CB | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:653:PHE:CD1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:653:PHE:CD2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:653:PHE:CE1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:653:PHE:CE2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:653:PHE:CG | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:653:PHE:CZ | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:653:PHE:H | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:653:PHE:HA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:653:PHE:HB2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:653:PHE:HB3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:653:PHE:HD1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:653:PHE:HD2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:653:PHE:HE1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:653:PHE:HE2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:653:PHE:HZ | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:653:PHE:N | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:653:PHE:O | 2 | 0.23 | 0.0 | 0.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|---------------|-----------------|---------------------|----------|---------------------|------------|
| (1,33) | 1:A:251:THR:O | 2:B:654:GLU:C | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:654:GLU:CA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:654:GLU:CB | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:654:GLU:CD | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:654:GLU:CG | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:654:GLU:H | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:654:GLU:HA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:654:GLU:HB2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:654:GLU:HB3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:654:GLU:HG2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:654:GLU:HG3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:654:GLU:N | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:654:GLU:O | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:654:GLU:OE1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:654:GLU:OE2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:655:GLY:C | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:655:GLY:CA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:655:GLY:H | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:655:GLY:HA2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:655:GLY:HA3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:655:GLY:N | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:655:GLY:O | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:656:PHE:C | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:656:PHE:CA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:656:PHE:CB | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:656:PHE:CD1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:656:PHE:CD2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:656:PHE:CE1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:656:PHE:CE2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:656:PHE:CG | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:656:PHE:CZ | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:656:PHE:H | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:656:PHE:HA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:656:PHE:HB2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:656:PHE:HB3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:656:PHE:HD1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:656:PHE:HD2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:656:PHE:HE1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:656:PHE:HE2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:656:PHE:HZ | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:656:PHE:N | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:656:PHE:O | 2 | 0.23 | 0.0 | 0.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|-----------------|-----------------|---------------------|----------|---------------------|------------|
| (1,33) | 1:A:251:THR:O | 2:B:657:SEP:C | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:657:SEP:CA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:657:SEP:CB | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:657:SEP:H | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:657:SEP:HA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:657:SEP:HB3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:657:SEP:N | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:657:SEP:O | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:657:SEP:O1P | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:657:SEP:O2P | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:657:SEP:O3P | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:657:SEP:OG | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:657:SEP:P | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:658:TYR:C | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:658:TYR:CA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:658:TYR:CB | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:658:TYR:CD1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:658:TYR:CD2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:658:TYR:CE1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:658:TYR:CE2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:658:TYR:CG | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:658:TYR:CZ | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:658:TYR:H | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:658:TYR:HA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:658:TYR:HB2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:658:TYR:HB3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:658:TYR:HD1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:658:TYR:HD2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:658:TYR:HE1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:658:TYR:HE2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:658:TYR:HH | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:658:TYR:N | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:658:TYR:O | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:658:TYR:OH | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:659:NH2:HN1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:659:NH2:HN2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:659:NH2:N | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:648:ACE:C | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:648:ACE:CH3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:648:ACE:H1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:648:ACE:H2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:648:ACE:H3 | 2 | 0.23 | 0.0 | 0.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|-----------------|------------------|---------------------|----------|---------------------|------------|
| (1,33) | 1:A:251:THR:OG1 | 2:B:648:ACE:O | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:649:ASP:C | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:649:ASP:CA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:649:ASP:CB | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:649:ASP:CG | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:649:ASP:H | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:649:ASP:HA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:649:ASP:HB2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:649:ASP:HB3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:649:ASP:N | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:649:ASP:O | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:649:ASP:OD1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:649:ASP:OD2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:650:GLN:C | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:650:GLN:CA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:650:GLN:CB | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:650:GLN:CD | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:650:GLN:CG | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:650:GLN:H | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:650:GLN:HA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:650:GLN:HB2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:650:GLN:HB3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:650:GLN:HE21 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:650:GLN:HE22 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:650:GLN:HG2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:650:GLN:HG3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:650:GLN:N | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:650:GLN:NE2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:650:GLN:O | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:650:GLN:OE1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:651:SER:C | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:651:SER:CA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:651:SER:CB | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:651:SER:H | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:651:SER:HA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:651:SER:HB2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:651:SER:HB3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:651:SER:HG | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:651:SER:N | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:651:SER:O | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:651:SER:OG | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:652:ASP:C | 2 | 0.23 | 0.0 | 0.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|-----------------|-----------------|---------------------|----------|---------------------|------------|
| (1,33) | 1:A:251:THR:OG1 | 2:B:652:ASP:CA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:652:ASP:CB | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:652:ASP:CG | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:652:ASP:H | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:652:ASP:HA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:652:ASP:HB2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:652:ASP:HB3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:652:ASP:N | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:652:ASP:O | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:652:ASP:OD1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:652:ASP:OD2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:653:PHE:C | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:653:PHE:CA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:653:PHE:CB | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:653:PHE:CD1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:653:PHE:CD2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:653:PHE:CE1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:653:PHE:CE2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:653:PHE:CG | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:653:PHE:CZ | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:653:PHE:H | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:653:PHE:HA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:653:PHE:HB2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:653:PHE:HB3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:653:PHE:HD1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:653:PHE:HD2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:653:PHE:HE1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:653:PHE:HE2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:653:PHE:HZ | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:653:PHE:N | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:653:PHE:O | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:654:GLU:C | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:654:GLU:CA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:654:GLU:CB | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:654:GLU:CD | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:654:GLU:CG | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:654:GLU:H | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:654:GLU:HA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:654:GLU:HB2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:654:GLU:HB3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:654:GLU:HG2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:654:GLU:HG3 | 2 | 0.23 | 0.0 | 0.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|-----------------|-----------------|---------------------|----------|---------------------|------------|
| (1,33) | 1:A:251:THR:OG1 | 2:B:654:GLU:N | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:654:GLU:O | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:654:GLU:OE1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:654:GLU:OE2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:655:GLY:C | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:655:GLY:CA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:655:GLY:H | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:655:GLY:HA2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:655:GLY:HA3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:655:GLY:N | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:655:GLY:O | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:656:PHE:C | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:656:PHE:CA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:656:PHE:CB | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:656:PHE:CD1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:656:PHE:CD2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:656:PHE:CE1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:656:PHE:CE2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:656:PHE:CG | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:656:PHE:CZ | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:656:PHE:H | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:656:PHE:HA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:656:PHE:HB2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:656:PHE:HB3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:656:PHE:HD1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:656:PHE:HD2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:656:PHE:HE1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:656:PHE:HE2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:656:PHE:HZ | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:656:PHE:N | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:656:PHE:O | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:657:SEP:C | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:657:SEP:CA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:657:SEP:CB | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:657:SEP:H | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:657:SEP:HA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:657:SEP:HB3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:657:SEP:N | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:657:SEP:O | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:657:SEP:O1P | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:657:SEP:O2P | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:657:SEP:O3P | 2 | 0.23 | 0.0 | 0.23 |

Continued on next page...

Continued from previous page...

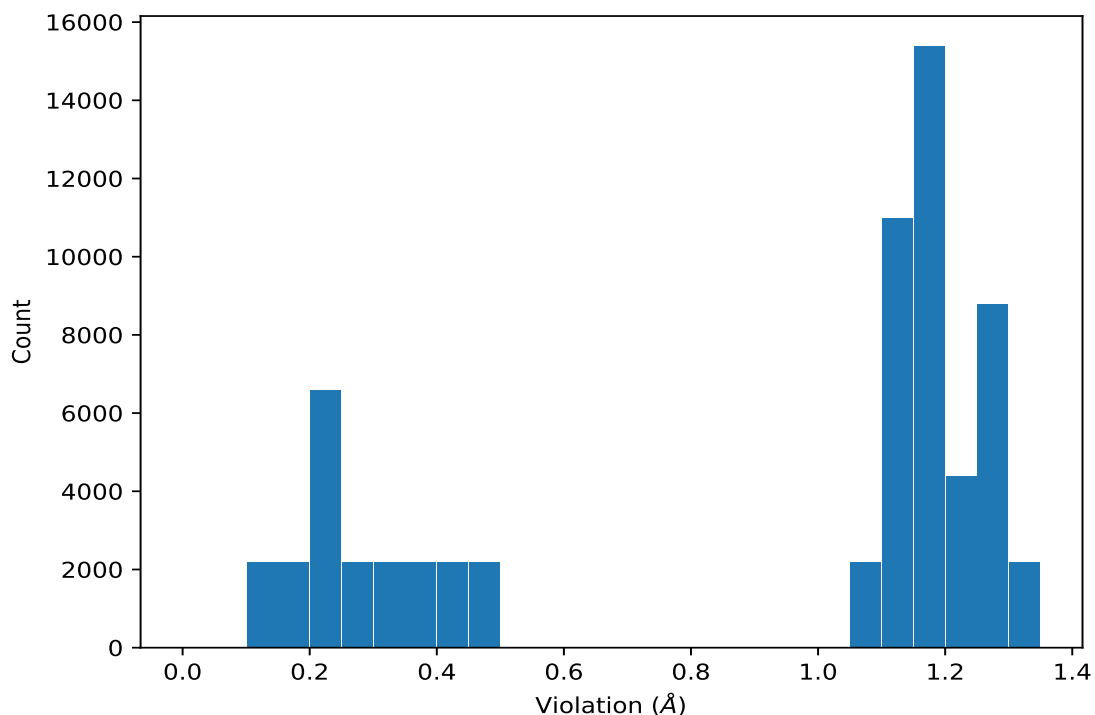
| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|-----------------|-----------------|---------------------|----------|---------------------|------------|
| (1,33) | 1:A:251:THR:OG1 | 2:B:657:SEP:OG | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:657:SEP:P | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:658:TYR:C | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:658:TYR:CA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:658:TYR:CB | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:658:TYR:CD1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:658:TYR:CD2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:658:TYR:CE1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:658:TYR:CE2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:658:TYR:CG | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:658:TYR:CZ | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:658:TYR:H | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:658:TYR:HA | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:658:TYR:HB2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:658:TYR:HB3 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:658:TYR:HD1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:658:TYR:HD2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:658:TYR:HE1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:658:TYR:HE2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:658:TYR:HH | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:658:TYR:N | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:658:TYR:O | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:658:TYR:OH | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:659:NH2:HN1 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:659:NH2:HN2 | 2 | 0.23 | 0.0 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:659:NH2:N | 2 | 0.23 | 0.0 | 0.23 |

¹Number of violated models, ²Standard deviation

9.5 All violated distance restraints [i](#)

9.5.1 Histogram : Distribution of distance violations [i](#)

The following histogram shows the distribution of the absolute value of the violation for all violated restraints in the ensemble.



9.5.2 Table : All distance violations [i](#)

The following table lists the absolute value of the violation for each restraint in the ensemble sorted by its value. The Key (restraint list ID, restraint ID) is the unique identifier for a given restraint. Rows with same key represent combinatorial or ambiguous restraints and are counted as a single restraint.

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:C | 2:B:648:ACE:C | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:C | 2:B:648:ACE:CH3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:C | 2:B:648:ACE:H1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:C | 2:B:648:ACE:H2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:C | 2:B:648:ACE:H3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:C | 2:B:648:ACE:O | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:C | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:CA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:CB | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:CG | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:H | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:HA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:HB2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:HB3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:N | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:O | 20 | 1.34 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:OD1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:OD2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:C | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:CA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:CB | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:CD | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:CG | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:H | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:HA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:HB2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:HB3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:HE21 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:HE22 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:HG2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:HG3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:N | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:NE2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:O | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:OE1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:C | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:CA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:CB | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:H | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:HA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:HB2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:HB3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:HG | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:N | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:O | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:OG | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:C | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:CA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:CB | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:CG | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:H | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:HA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:HB2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:HB3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:N | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:O | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:OD1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:OD2 | 20 | 1.34 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:C | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:CA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:CB | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:CD1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:CD2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:CE1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:CE2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:CG | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:CZ | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:H | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:HA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:HB2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:HB3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:HD1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:HD2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:HE1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:HE2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:HZ | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:N | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:O | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:C | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:CA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:CB | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:CD | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:CG | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:H | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:HA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:HB2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:HB3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:HG2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:HG3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:N | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:O | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:OE1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:OE2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:C | 2:B:655:GLY:C | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:C | 2:B:655:GLY:CA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:C | 2:B:655:GLY:H | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:C | 2:B:655:GLY:HA2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:C | 2:B:655:GLY:HA3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:C | 2:B:655:GLY:N | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:C | 2:B:655:GLY:O | 20 | 1.34 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:C | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:CA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:CB | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:CD1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:CD2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:CE1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:CE2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:CG | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:CZ | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:H | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:HA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:HB2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:HB3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:HD1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:HD2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:HE1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:HE2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:HZ | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:N | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:O | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:C | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:CA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:CB | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:H | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:HA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:HB3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:N | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:O | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:O1P | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:O2P | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:O3P | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:OG | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:P | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:C | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:CA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:CB | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:CD1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:CD2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:CE1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:CE2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:CG | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:CZ | 20 | 1.34 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:H | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:HA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:HB2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:HB3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:HD1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:HD2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:HE1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:HE2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:HH | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:N | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:O | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:OH | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:C | 2:B:659:NH2:HN1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:C | 2:B:659:NH2:HN2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:C | 2:B:659:NH2:N | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CA | 2:B:648:ACE:C | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CA | 2:B:648:ACE:CH3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CA | 2:B:648:ACE:H1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CA | 2:B:648:ACE:H2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CA | 2:B:648:ACE:H3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CA | 2:B:648:ACE:O | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:C | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:CA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:CB | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:CG | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:H | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:HA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:HB2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:HB3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:N | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:O | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:OD1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:OD2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:C | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:CA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:CB | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:CD | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:CG | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:H | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:HA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:HB2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:HB3 | 20 | 1.34 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:HE21 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:HE22 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:HG2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:HG3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:N | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:NE2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:O | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:OE1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:C | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:CA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:CB | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:H | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:HA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:HB2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:HB3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:HG | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:N | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:O | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:OG | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:C | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:CA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:CB | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:CG | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:H | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:HA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:HB2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:HB3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:N | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:O | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:OD1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:OD2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:C | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:CA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:CB | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:CD1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:CD2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:CE1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:CE2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:CG | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:CZ | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:H | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:HA | 20 | 1.34 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:HB2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:HB3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:HD1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:HD2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:HE1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:HE2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:HZ | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:N | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:O | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:C | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:CA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:CB | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:CD | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:CG | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:H | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:HA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:HB2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:HB3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:HG2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:HG3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:N | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:O | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:OE1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:OE2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CA | 2:B:655:GLY:C | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CA | 2:B:655:GLY:CA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CA | 2:B:655:GLY:H | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CA | 2:B:655:GLY:HA2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CA | 2:B:655:GLY:HA3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CA | 2:B:655:GLY:N | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CA | 2:B:655:GLY:O | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:C | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:CA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:CB | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:CD1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:CD2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:CE1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:CE2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:CG | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:CZ | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:H | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:HA | 20 | 1.34 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:HB2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:HB3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:HD1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:HD2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:HE1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:HE2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:HZ | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:N | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:O | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:C | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:CA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:CB | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:H | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:HA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:HB3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:N | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:O | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:O1P | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:O2P | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:O3P | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:OG | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:P | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:C | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:CA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:CB | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:CD1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:CD2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:CE1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:CE2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:CG | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:CZ | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:H | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:HA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:HB2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:HB3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:HD1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:HD2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:HE1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:HE2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:HH | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:N | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:O | 20 | 1.34 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:OH | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CA | 2:B:659:NH2:HN1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CA | 2:B:659:NH2:HN2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CA | 2:B:659:NH2:N | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CB | 2:B:648:ACE:C | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CB | 2:B:648:ACE:CH3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CB | 2:B:648:ACE:H1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CB | 2:B:648:ACE:H2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CB | 2:B:648:ACE:H3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CB | 2:B:648:ACE:O | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:C | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:CA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:CB | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:CG | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:H | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:HA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:HB2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:HB3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:N | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:O | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:OD1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:OD2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:C | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:CA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:CB | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:CD | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:CG | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:H | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:HA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:HB2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:HB3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:HE21 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:HE22 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:HG2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:HG3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:N | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:NE2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:O | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:OE1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:C | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:CA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:CB | 20 | 1.34 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:H | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:HA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:HB2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:HB3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:HG | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:N | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:O | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:OG | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:C | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:CA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:CB | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:CG | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:H | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:HA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:HB2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:HB3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:N | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:O | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:OD1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:OD2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:C | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:CA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:CB | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:CD1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:CD2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:CE1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:CE2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:CG | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:CZ | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:H | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:HA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:HB2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:HB3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:HD1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:HD2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:HE1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:HE2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:HZ | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:N | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:O | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:C | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:CA | 20 | 1.34 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:CB | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:CD | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:CG | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:H | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:HA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:HB2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:HB3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:HG2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:HG3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:N | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:O | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:OE1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:OE2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CB | 2:B:655:GLY:C | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CB | 2:B:655:GLY:CA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CB | 2:B:655:GLY:H | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CB | 2:B:655:GLY:HA2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CB | 2:B:655:GLY:HA3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CB | 2:B:655:GLY:N | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CB | 2:B:655:GLY:O | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:C | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:CA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:CB | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:CD1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:CD2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:CE1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:CE2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:CG | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:CZ | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:H | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:HA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:HB2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:HB3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:HD1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:HD2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:HE1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:HE2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:HZ | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:N | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:O | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:C | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:CA | 20 | 1.34 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:CB | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:H | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:HA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:HB3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:N | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:O | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:O1P | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:O2P | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:O3P | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:OG | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:P | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:C | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:CA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:CB | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:CD1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:CD2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:CE1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:CE2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:CG | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:CZ | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:H | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:HA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:HB2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:HB3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:HD1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:HD2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:HE1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:HE2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:HH | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:N | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:O | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:OH | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CB | 2:B:659:NH2:HN1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CB | 2:B:659:NH2:HN2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CB | 2:B:659:NH2:N | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CG | 2:B:648:ACE:C | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CG | 2:B:648:ACE:CH3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CG | 2:B:648:ACE:H1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CG | 2:B:648:ACE:H2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CG | 2:B:648:ACE:H3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CG | 2:B:648:ACE:O | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:C | 20 | 1.34 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:CA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:CB | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:CG | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:H | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:HA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:HB2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:HB3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:N | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:O | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:OD1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:OD2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:C | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:CA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:CB | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:CD | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:CG | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:H | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:HA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:HB2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:HB3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:HE21 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:HE22 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:HG2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:HG3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:N | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:NE2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:O | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:OE1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:C | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:CA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:CB | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:H | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:HA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:HB2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:HB3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:HG | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:N | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:O | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:OG | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:C | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:CA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:CB | 20 | 1.34 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:CG | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:H | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:HA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:HB2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:HB3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:N | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:O | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:OD1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:OD2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:C | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:CA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:CB | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:CD1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:CD2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:CE1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:CE2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:CG | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:CZ | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:H | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:HA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:HB2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:HB3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:HD1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:HD2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:HE1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:HE2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:HZ | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:N | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:O | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:C | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:CA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:CB | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:CD | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:CG | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:H | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:HA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:HB2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:HB3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:HG2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:HG3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:N | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:O | 20 | 1.34 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:OE1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:OE2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CG | 2:B:655:GLY:C | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CG | 2:B:655:GLY:CA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CG | 2:B:655:GLY:H | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CG | 2:B:655:GLY:HA2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CG | 2:B:655:GLY:HA3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CG | 2:B:655:GLY:N | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CG | 2:B:655:GLY:O | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:C | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:CA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:CB | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:CD1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:CD2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:CE1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:CE2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:CG | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:CZ | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:H | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:HA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:HB2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:HB3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:HD1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:HD2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:HE1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:HE2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:HZ | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:N | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:O | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:C | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:CA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:CB | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:H | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:HA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:HB3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:N | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:O | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:O1P | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:O2P | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:O3P | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:OG | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:P | 20 | 1.34 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:C | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:CA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:CB | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:CD1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:CD2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:CE1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:CE2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:CG | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:CZ | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:H | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:HA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:HB2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:HB3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:HD1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:HD2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:HE1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:HE2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:HH | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:N | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:O | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:OH | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CG | 2:B:659:NH2:HN1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CG | 2:B:659:NH2:HN2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:CG | 2:B:659:NH2:N | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:H | 2:B:648:ACE:C | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:H | 2:B:648:ACE:CH3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:H | 2:B:648:ACE:H1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:H | 2:B:648:ACE:H2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:H | 2:B:648:ACE:H3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:H | 2:B:648:ACE:O | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:C | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:CA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:CB | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:CG | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:H | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:HA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:HB2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:HB3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:N | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:O | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:OD1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:OD2 | 20 | 1.34 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:C | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:CA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:CB | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:CD | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:CG | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:H | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:HA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:HB2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:HB3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:HE21 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:HE22 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:HG2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:HG3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:N | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:NE2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:O | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:OE1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:C | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:CA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:CB | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:H | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:HA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:HB2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:HB3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:HG | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:N | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:O | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:OG | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:C | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:CA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:CB | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:CG | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:H | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:HA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:HB2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:HB3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:N | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:O | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:OD1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:OD2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:C | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:CA | 20 | 1.34 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:CB | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:CD1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:CD2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:CE1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:CE2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:CG | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:CZ | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:H | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:HA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:HB2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:HB3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:HD1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:HD2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:HE1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:HE2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:HZ | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:N | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:O | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:C | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:CA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:CB | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:CD | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:CG | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:H | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:HA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:HB2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:HB3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:HG2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:HG3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:N | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:O | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:OE1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:OE2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:H | 2:B:655:GLY:C | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:H | 2:B:655:GLY:CA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:H | 2:B:655:GLY:H | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:H | 2:B:655:GLY:HA2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:H | 2:B:655:GLY:HA3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:H | 2:B:655:GLY:N | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:H | 2:B:655:GLY:O | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:C | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:CA | 20 | 1.34 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:CB | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:CD1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:CD2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:CE1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:CE2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:CG | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:CZ | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:H | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:HA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:HB2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:HB3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:HD1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:HD2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:HE1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:HE2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:HZ | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:N | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:O | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:C | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:CA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:CB | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:H | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:HA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:HB3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:N | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:O | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:O1P | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:O2P | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:O3P | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:OG | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:P | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:C | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:CA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:CB | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:CD1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:CD2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:CE1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:CE2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:CG | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:CZ | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:H | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:HA | 20 | 1.34 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:HB2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:HB3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:HD1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:HD2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:HE1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:HE2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:HH | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:N | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:O | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:OH | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:H | 2:B:659:NH2:HN1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:H | 2:B:659:NH2:HN2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:H | 2:B:659:NH2:N | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HA | 2:B:648:ACE:C | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HA | 2:B:648:ACE:CH3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HA | 2:B:648:ACE:H1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HA | 2:B:648:ACE:H2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HA | 2:B:648:ACE:H3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HA | 2:B:648:ACE:O | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:C | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:CA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:CB | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:CG | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:H | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:HA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:HB2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:HB3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:N | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:O | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:OD1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:OD2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:C | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:CA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:CB | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:CD | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:CG | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:H | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:HA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:HB2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:HB3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:HE21 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:HE22 | 20 | 1.34 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:HG2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:HG3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:N | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:NE2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:O | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:OE1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:C | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:CA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:CB | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:H | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:HA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:HB2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:HB3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:HG | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:N | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:O | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:OG | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:C | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:CA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:CB | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:CG | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:H | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:HA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:HB2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:HB3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:N | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:O | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:OD1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:OD2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:C | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:CA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:CB | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:CD1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:CD2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:CE1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:CE2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:CG | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:CZ | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:H | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:HA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:HB2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:HB3 | 20 | 1.34 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:HD1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:HD2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:HE1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:HE2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:HZ | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:N | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:O | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:C | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:CA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:CB | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:CD | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:CG | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:H | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:HA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:HB2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:HB3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:HG2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:HG3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:N | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:O | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:OE1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:OE2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HA | 2:B:655:GLY:C | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HA | 2:B:655:GLY:CA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HA | 2:B:655:GLY:H | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HA | 2:B:655:GLY:HA2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HA | 2:B:655:GLY:HA3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HA | 2:B:655:GLY:N | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HA | 2:B:655:GLY:O | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:C | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:CA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:CB | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:CD1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:CD2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:CE1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:CE2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:CG | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:CZ | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:H | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:HA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:HB2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:HB3 | 20 | 1.34 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:HD1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:HD2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:HE1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:HE2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:HZ | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:N | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:O | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:C | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:CA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:CB | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:H | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:HA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:HB3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:N | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:O | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:O1P | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:O2P | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:O3P | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:OG | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:P | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:C | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:CA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:CB | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:CD1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:CD2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:CE1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:CE2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:CG | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:CZ | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:H | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:HA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:HB2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:HB3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:HD1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:HD2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:HE1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:HE2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:HH | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:N | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:O | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:OH | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HA | 2:B:659:NH2:HN1 | 20 | 1.34 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HA | 2:B:659:NH2:HN2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HA | 2:B:659:NH2:N | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:648:ACE:C | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:648:ACE:CH3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:648:ACE:H1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:648:ACE:H2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:648:ACE:H3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:648:ACE:O | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:C | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:CA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:CB | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:CG | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:H | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:HA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:HB2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:HB3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:N | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:O | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:OD1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:OD2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:C | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:CA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:CB | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:CD | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:CG | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:H | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:HA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:HB2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:HB3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:HE21 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:HE22 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:HG2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:HG3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:N | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:NE2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:O | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:OE1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:C | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:CA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:CB | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:H | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:HA | 20 | 1.34 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:HB2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:HB3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:HG | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:N | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:O | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:OG | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:C | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:CA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:CB | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:CG | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:H | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:HA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:HB2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:HB3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:N | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:O | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:OD1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:OD2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:C | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:CA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:CB | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:CD1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:CD2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:CE1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:CE2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:CG | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:CZ | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:H | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:HA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:HB2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:HB3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:HD1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:HD2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:HE1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:HE2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:HZ | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:N | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:O | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:C | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:CA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:CB | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:CD | 20 | 1.34 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:CG | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:H | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:HA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:HB2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:HB3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:HG2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:HG3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:N | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:O | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:OE1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:OE2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:655:GLY:C | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:655:GLY:CA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:655:GLY:H | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:655:GLY:HA2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:655:GLY:HA3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:655:GLY:N | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:655:GLY:O | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:C | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:CA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:CB | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:CD1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:CD2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:CE1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:CE2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:CG | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:CZ | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:H | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:HA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:HB2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:HB3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:HD1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:HD2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:HE1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:HE2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:HZ | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:N | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:O | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:C | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:CA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:CB | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:H | 20 | 1.34 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:HA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:HB3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:N | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:O | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:O1P | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:O2P | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:O3P | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:OG | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:P | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:C | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:CA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:CB | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:CD1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:CD2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:CE1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:CE2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:CG | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:CZ | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:H | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:HA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:HB2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:HB3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:HD1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:HD2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:HE1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:HE2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:HH | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:N | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:O | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:OH | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:659:NH2:HN1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:659:NH2:HN2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:659:NH2:N | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:648:ACE:C | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:648:ACE:CH3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:648:ACE:H1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:648:ACE:H2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:648:ACE:H3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:648:ACE:O | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:C | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:CA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:CB | 20 | 1.34 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:CG | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:H | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:HA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:HB2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:HB3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:N | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:O | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:OD1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:OD2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:C | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:CA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:CB | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:CD | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:CG | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:H | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:HA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:HB2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:HB3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:HE21 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:HE22 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:HG2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:HG3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:N | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:NE2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:O | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:OE1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:C | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:CA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:CB | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:H | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:HA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:HB2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:HB3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:HG | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:N | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:O | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:OG | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:C | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:CA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:CB | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:CG | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:H | 20 | 1.34 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:HA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:HB2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:HB3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:N | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:O | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:OD1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:OD2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:C | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:CA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:CB | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:CD1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:CD2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:CE1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:CE2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:CG | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:CZ | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:H | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:HA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:HB2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:HB3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:HD1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:HD2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:HE1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:HE2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:HZ | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:N | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:O | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:C | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:CA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:CB | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:CD | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:CG | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:H | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:HA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:HB2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:HB3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:HG2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:HG3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:N | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:O | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:OE1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:OE2 | 20 | 1.34 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HB3 | 2:B:655:GLY:C | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:655:GLY:CA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:655:GLY:H | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:655:GLY:HA2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:655:GLY:HA3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:655:GLY:N | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:655:GLY:O | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:C | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:CA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:CB | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:CD1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:CD2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:CE1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:CE2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:CG | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:CZ | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:H | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:HA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:HB2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:HB3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:HD1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:HD2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:HE1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:HE2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:HZ | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:N | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:O | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:C | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:CA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:CB | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:H | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:HA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:HB3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:N | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:O | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:O1P | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:O2P | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:O3P | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:OG | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:P | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:C | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:CA | 20 | 1.34 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:CB | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:CD1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:CD2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:CE1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:CE2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:CG | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:CZ | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:H | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:HA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:HB2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:HB3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:HD1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:HD2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:HE1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:HE2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:HH | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:N | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:O | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:OH | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:659:NH2:HN1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:659:NH2:HN2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:659:NH2:N | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:648:ACE:C | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:648:ACE:CH3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:648:ACE:H1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:648:ACE:H2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:648:ACE:H3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:648:ACE:O | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:C | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:CA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:CB | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:CG | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:H | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:HA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:HB2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:HB3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:N | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:O | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:OD1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:OD2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:C | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:CA | 20 | 1.34 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:CB | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:CD | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:CG | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:H | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:HA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:HB2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:HB3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:HE21 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:HE22 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:HG2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:HG3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:N | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:NE2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:O | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:OE1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:C | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:CA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:CB | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:H | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:HA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:HB2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:HB3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:HG | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:N | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:O | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:OG | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:C | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:CA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:CB | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:CG | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:H | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:HA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:HB2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:HB3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:N | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:O | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:OD1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:OD2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:C | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:CA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:CB | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:CD1 | 20 | 1.34 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:CD2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:CE1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:CE2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:CG | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:CZ | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:H | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:HA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:HB2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:HB3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:HD1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:HD2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:HE1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:HE2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:HZ | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:N | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:O | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:C | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:CA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:CB | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:CD | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:CG | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:H | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:HA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:HB2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:HB3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:HG2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:HG3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:N | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:O | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:OE1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:OE2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:655:GLY:C | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:655:GLY:CA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:655:GLY:H | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:655:GLY:HA2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:655:GLY:HA3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:655:GLY:N | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:655:GLY:O | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:C | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:CA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:CB | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:CD1 | 20 | 1.34 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:CD2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:CE1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:CE2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:CG | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:CZ | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:H | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:HA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:HB2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:HB3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:HD1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:HD2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:HE1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:HE2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:HZ | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:N | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:O | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:C | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:CA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:CB | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:H | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:HA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:HB3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:N | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:O | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:O1P | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:O2P | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:O3P | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:OG | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:P | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:C | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:CA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:CB | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:CD1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:CD2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:CE1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:CE2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:CG | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:CZ | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:H | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:HA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:HB2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:HB3 | 20 | 1.34 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:HD1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:HD2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:HE1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:HE2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:HH | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:N | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:O | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:OH | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:659:NH2:HN1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:659:NH2:HN2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:659:NH2:N | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:648:ACE:C | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:648:ACE:CH3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:648:ACE:H1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:648:ACE:H2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:648:ACE:H3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:648:ACE:O | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:C | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:CA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:CB | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:CG | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:H | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:HA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:HB2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:HB3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:N | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:O | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:OD1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:OD2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:C | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:CA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:CB | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:CD | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:CG | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:H | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:HA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:HB2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:HB3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:HE21 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:HE22 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:HG2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:HG3 | 20 | 1.34 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:N | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:NE2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:O | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:OE1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:C | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:CA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:CB | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:H | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:HA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:HB2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:HB3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:HG | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:N | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:O | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:OG | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:C | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:CA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:CB | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:CG | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:H | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:HA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:HB2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:HB3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:N | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:O | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:OD1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:OD2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:C | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:CA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:CB | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:CD1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:CD2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:CE1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:CE2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:CG | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:CZ | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:H | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:HA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:HB2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:HB3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:HD1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:HD2 | 20 | 1.34 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:HE1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:HE2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:HZ | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:N | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:O | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:C | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:CA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:CB | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:CD | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:CG | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:H | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:HA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:HB2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:HB3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:HG2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:HG3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:N | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:O | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:OE1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:OE2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:655:GLY:C | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:655:GLY:CA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:655:GLY:H | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:655:GLY:HA2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:655:GLY:HA3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:655:GLY:N | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:655:GLY:O | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:C | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:CA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:CB | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:CD1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:CD2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:CE1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:CE2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:CG | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:CZ | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:H | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:HA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:HB2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:HB3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:HD1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:HD2 | 20 | 1.34 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:HE1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:HE2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:HZ | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:N | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:O | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:C | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:CA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:CB | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:H | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:HA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:HB3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:N | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:O | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:O1P | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:O2P | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:O3P | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:OG | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:P | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:C | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:CA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:CB | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:CD1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:CD2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:CE1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:CE2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:CG | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:CZ | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:H | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:HA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:HB2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:HB3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:HD1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:HD2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:HE1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:HE2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:HH | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:N | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:O | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:OH | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:659:NH2:HN1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:659:NH2:HN2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:659:NH2:N | 20 | 1.34 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:N | 2:B:648:ACE:C | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:N | 2:B:648:ACE:CH3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:N | 2:B:648:ACE:H1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:N | 2:B:648:ACE:H2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:N | 2:B:648:ACE:H3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:N | 2:B:648:ACE:O | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:C | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:CA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:CB | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:CG | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:H | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:HA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:HB2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:HB3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:N | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:O | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:OD1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:OD2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:C | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:CA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:CB | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:CD | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:CG | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:H | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:HA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:HB2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:HB3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:HE21 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:HE22 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:HG2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:HG3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:N | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:NE2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:O | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:OE1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:C | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:CA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:CB | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:H | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:HA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:HB2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:HB3 | 20 | 1.34 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:HG | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:N | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:O | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:OG | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:C | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:CA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:CB | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:CG | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:H | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:HA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:HB2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:HB3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:N | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:O | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:OD1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:OD2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:C | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:CA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:CB | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:CD1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:CD2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:CE1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:CE2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:CG | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:CZ | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:H | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:HA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:HB2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:HB3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:HD1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:HD2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:HE1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:HE2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:HZ | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:N | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:O | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:C | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:CA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:CB | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:CD | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:CG | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:H | 20 | 1.34 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:HA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:HB2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:HB3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:HG2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:HG3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:N | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:O | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:OE1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:OE2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:N | 2:B:655:GLY:C | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:N | 2:B:655:GLY:CA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:N | 2:B:655:GLY:H | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:N | 2:B:655:GLY:HA2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:N | 2:B:655:GLY:HA3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:N | 2:B:655:GLY:N | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:N | 2:B:655:GLY:O | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:C | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:CA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:CB | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:CD1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:CD2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:CE1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:CE2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:CG | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:CZ | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:H | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:HA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:HB2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:HB3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:HD1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:HD2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:HE1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:HE2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:HZ | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:N | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:O | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:C | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:CA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:CB | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:H | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:HA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:HB3 | 20 | 1.34 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:N | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:O | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:O1P | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:O2P | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:O3P | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:OG | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:P | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:C | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:CA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:CB | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:CD1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:CD2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:CE1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:CE2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:CG | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:CZ | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:H | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:HA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:HB2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:HB3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:HD1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:HD2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:HE1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:HE2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:HH | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:N | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:O | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:OH | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:N | 2:B:659:NH2:HN1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:N | 2:B:659:NH2:HN2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:N | 2:B:659:NH2:N | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:648:ACE:C | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:648:ACE:CH3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:648:ACE:H1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:648:ACE:H2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:648:ACE:H3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:648:ACE:O | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:C | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:CA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:CB | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:CG | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:H | 20 | 1.34 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:HA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:HB2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:HB3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:N | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:O | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:OD1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:OD2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:C | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:CA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:CB | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:CD | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:CG | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:H | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:HA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:HB2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:HB3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:HE21 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:HE22 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:HG2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:HG3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:N | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:NE2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:O | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:OE1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:C | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:CA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:CB | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:H | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:HA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:HB2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:HB3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:HG | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:N | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:O | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:OG | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:C | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:CA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:CB | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:CG | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:H | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:HA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:HB2 | 20 | 1.34 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:HB3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:N | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:O | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:OD1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:OD2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:C | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:CA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:CB | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:CD1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:CD2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:CE1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:CE2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:CG | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:CZ | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:H | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:HA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:HB2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:HB3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:HD1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:HD2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:HE1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:HE2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:HZ | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:N | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:O | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:C | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:CA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:CB | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:CD | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:CG | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:H | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:HA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:HB2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:HB3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:HG2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:HG3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:N | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:O | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:OE1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:OE2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:655:GLY:C | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:655:GLY:CA | 20 | 1.34 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:ND2 | 2:B:655:GLY:H | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:655:GLY:HA2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:655:GLY:HA3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:655:GLY:N | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:655:GLY:O | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:C | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:CA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:CB | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:CD1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:CD2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:CE1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:CE2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:CG | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:CZ | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:H | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:HA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:HB2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:HB3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:HD1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:HD2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:HE1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:HE2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:HZ | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:N | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:O | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:C | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:CA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:CB | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:H | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:HA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:HB3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:N | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:O | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:O1P | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:O2P | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:O3P | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:OG | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:P | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:C | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:CA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:CB | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:CD1 | 20 | 1.34 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:CD2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:CE1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:CE2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:CG | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:CZ | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:H | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:HA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:HB2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:HB3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:HD1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:HD2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:HE1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:HE2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:HH | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:N | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:O | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:OH | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:659:NH2:HN1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:659:NH2:HN2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:659:NH2:N | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:O | 2:B:648:ACE:C | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:O | 2:B:648:ACE:CH3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:O | 2:B:648:ACE:H1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:O | 2:B:648:ACE:H2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:O | 2:B:648:ACE:H3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:O | 2:B:648:ACE:O | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:C | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:CA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:CB | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:CG | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:H | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:HA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:HB2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:HB3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:N | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:O | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:OD1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:OD2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:C | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:CA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:CB | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:CD | 20 | 1.34 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:CG | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:H | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:HA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:HB2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:HB3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:HE21 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:HE22 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:HG2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:HG3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:N | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:NE2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:O | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:OE1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:C | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:CA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:CB | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:H | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:HA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:HB2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:HB3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:HG | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:N | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:O | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:OG | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:C | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:CA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:CB | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:CG | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:H | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:HA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:HB2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:HB3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:N | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:O | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:OD1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:OD2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:C | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:CA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:CB | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:CD1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:CD2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:CE1 | 20 | 1.34 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:CE2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:CG | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:CZ | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:H | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:HA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:HB2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:HB3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:HD1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:HD2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:HE1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:HE2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:HZ | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:N | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:O | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:C | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:CA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:CB | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:CD | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:CG | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:H | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:HA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:HB2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:HB3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:HG2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:HG3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:N | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:O | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:OE1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:OE2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:O | 2:B:655:GLY:C | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:O | 2:B:655:GLY:CA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:O | 2:B:655:GLY:H | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:O | 2:B:655:GLY:HA2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:O | 2:B:655:GLY:HA3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:O | 2:B:655:GLY:N | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:O | 2:B:655:GLY:O | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:C | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:CA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:CB | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:CD1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:CD2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:CE1 | 20 | 1.34 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:CE2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:CG | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:CZ | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:H | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:HA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:HB2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:HB3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:HD1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:HD2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:HE1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:HE2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:HZ | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:N | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:O | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:C | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:CA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:CB | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:H | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:HA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:HB3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:N | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:O | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:O1P | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:O2P | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:O3P | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:OG | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:P | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:C | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:CA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:CB | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:CD1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:CD2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:CE1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:CE2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:CG | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:CZ | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:H | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:HA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:HB2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:HB3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:HD1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:HD2 | 20 | 1.34 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:HE1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:HE2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:HH | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:N | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:O | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:OH | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:O | 2:B:659:NH2:HN1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:O | 2:B:659:NH2:HN2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:O | 2:B:659:NH2:N | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:648:ACE:C | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:648:ACE:CH3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:648:ACE:H1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:648:ACE:H2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:648:ACE:H3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:648:ACE:O | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:C | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:CA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:CB | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:CG | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:H | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:HA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:HB2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:HB3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:N | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:O | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:OD1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:OD2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:C | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:CA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:CB | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:CD | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:CG | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:H | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:HA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:HB2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:HB3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:HE21 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:HE22 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:HG2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:HG3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:N | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:NE2 | 20 | 1.34 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:O | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:OE1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:C | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:CA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:CB | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:H | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:HA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:HB2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:HB3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:HG | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:N | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:O | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:OG | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:C | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:CA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:CB | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:CG | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:H | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:HA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:HB2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:HB3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:N | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:O | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:OD1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:OD2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:C | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:CA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:CB | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:CD1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:CD2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:CE1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:CE2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:CG | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:CZ | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:H | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:HA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:HB2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:HB3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:HD1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:HD2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:HE1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:HE2 | 20 | 1.34 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:HZ | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:N | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:O | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:C | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:CA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:CB | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:CD | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:CG | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:H | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:HA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:HB2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:HB3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:HG2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:HG3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:N | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:O | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:OE1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:OE2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:655:GLY:C | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:655:GLY:CA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:655:GLY:H | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:655:GLY:HA2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:655:GLY:HA3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:655:GLY:N | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:655:GLY:O | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:C | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:CA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:CB | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:CD1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:CD2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:CE1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:CE2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:CG | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:CZ | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:H | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:HA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:HB2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:HB3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:HD1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:HD2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:HE1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:HE2 | 20 | 1.34 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:HZ | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:N | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:O | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:C | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:CA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:CB | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:H | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:HA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:HB3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:N | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:O | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:O1P | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:O2P | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:O3P | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:OG | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:P | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:C | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:CA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:CB | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:CD1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:CD2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:CE1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:CE2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:CG | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:CZ | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:H | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:HA | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:HB2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:HB3 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:HD1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:HD2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:HE1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:HE2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:HH | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:N | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:O | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:OH | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:659:NH2:HN1 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:659:NH2:HN2 | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:659:NH2:N | 20 | 1.34 |
| (1,34) | 1:A:253:ASN:C | 2:B:648:ACE:C | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:C | 2:B:648:ACE:CH3 | 2 | 1.27 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:C | 2:B:648:ACE:H1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:C | 2:B:648:ACE:H2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:C | 2:B:648:ACE:H3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:C | 2:B:648:ACE:O | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:C | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:CA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:CB | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:CG | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:H | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:HA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:HB2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:HB3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:N | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:O | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:OD1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:OD2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:C | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:CA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:CB | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:CD | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:CG | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:H | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:HA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:HB2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:HB3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:HE21 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:HE22 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:HG2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:HG3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:N | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:NE2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:O | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:OE1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:C | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:CA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:CB | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:H | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:HA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:HB2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:HB3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:HG | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:N | 2 | 1.27 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:O | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:OG | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:C | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:CA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:CB | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:CG | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:H | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:HA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:HB2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:HB3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:N | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:O | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:OD1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:OD2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:C | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:CA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:CB | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:CD1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:CD2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:CE1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:CE2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:CG | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:CZ | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:H | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:HA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:HB2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:HB3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:HD1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:HD2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:HE1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:HE2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:HZ | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:N | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:O | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:C | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:CA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:CB | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:CD | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:CG | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:H | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:HA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:HB2 | 2 | 1.27 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:HB3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:HG2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:HG3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:N | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:O | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:OE1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:OE2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:C | 2:B:655:GLY:C | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:C | 2:B:655:GLY:CA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:C | 2:B:655:GLY:H | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:C | 2:B:655:GLY:HA2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:C | 2:B:655:GLY:HA3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:C | 2:B:655:GLY:N | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:C | 2:B:655:GLY:O | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:C | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:CA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:CB | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:CD1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:CD2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:CE1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:CE2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:CG | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:CZ | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:H | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:HA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:HB2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:HB3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:HD1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:HD2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:HE1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:HE2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:HZ | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:N | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:O | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:C | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:CA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:CB | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:H | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:HA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:HB3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:N | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:O | 2 | 1.27 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:O1P | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:O2P | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:O3P | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:OG | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:P | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:C | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:CA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:CB | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:CD1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:CD2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:CE1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:CE2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:CG | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:CZ | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:H | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:HA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:HB2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:HB3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:HD1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:HD2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:HE1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:HE2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:HH | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:N | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:O | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:OH | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:C | 2:B:659:NH2:HN1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:C | 2:B:659:NH2:HN2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:C | 2:B:659:NH2:N | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CA | 2:B:648:ACE:C | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CA | 2:B:648:ACE:CH3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CA | 2:B:648:ACE:H1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CA | 2:B:648:ACE:H2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CA | 2:B:648:ACE:H3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CA | 2:B:648:ACE:O | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:C | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:CA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:CB | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:CG | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:H | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:HA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:HB2 | 2 | 1.27 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:HB3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:N | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:O | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:OD1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:OD2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:C | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:CA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:CB | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:CD | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:CG | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:H | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:HA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:HB2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:HB3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:HE21 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:HE22 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:HG2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:HG3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:N | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:NE2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:O | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:OE1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:C | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:CA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:CB | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:H | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:HA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:HB2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:HB3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:HG | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:N | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:O | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:OG | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:C | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:CA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:CB | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:CG | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:H | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:HA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:HB2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:HB3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:N | 2 | 1.27 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:O | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:OD1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:OD2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:C | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:CA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:CB | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:CD1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:CD2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:CE1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:CE2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:CG | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:CZ | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:H | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:HA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:HB2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:HB3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:HD1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:HD2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:HE1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:HE2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:HZ | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:N | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:O | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:C | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:CA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:CB | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:CD | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:CG | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:H | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:HA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:HB2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:HB3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:HG2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:HG3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:N | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:O | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:OE1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:OE2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CA | 2:B:655:GLY:C | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CA | 2:B:655:GLY:CA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CA | 2:B:655:GLY:H | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CA | 2:B:655:GLY:HA2 | 2 | 1.27 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CA | 2:B:655:GLY:HA3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CA | 2:B:655:GLY:N | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CA | 2:B:655:GLY:O | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:C | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:CA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:CB | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:CD1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:CD2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:CE1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:CE2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:CG | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:CZ | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:H | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:HA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:HB2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:HB3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:HD1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:HD2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:HE1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:HE2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:HZ | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:N | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:O | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:C | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:CA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:CB | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:H | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:HA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:HB3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:N | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:O | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:O1P | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:O2P | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:O3P | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:OG | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:P | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:C | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:CA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:CB | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:CD1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:CD2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:CE1 | 2 | 1.27 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:CE2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:CG | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:CZ | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:H | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:HA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:HB2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:HB3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:HD1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:HD2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:HE1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:HE2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:HH | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:N | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:O | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:OH | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CA | 2:B:659:NH2:HN1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CA | 2:B:659:NH2:HN2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CA | 2:B:659:NH2:N | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CB | 2:B:648:ACE:C | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CB | 2:B:648:ACE:CH3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CB | 2:B:648:ACE:H1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CB | 2:B:648:ACE:H2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CB | 2:B:648:ACE:H3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CB | 2:B:648:ACE:O | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:C | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:CA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:CB | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:CG | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:H | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:HA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:HB2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:HB3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:N | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:O | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:OD1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:OD2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:C | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:CA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:CB | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:CD | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:CG | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:H | 2 | 1.27 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:HA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:HB2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:HB3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:HE21 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:HE22 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:HG2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:HG3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:N | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:NE2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:O | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:OE1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:C | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:CA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:CB | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:H | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:HA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:HB2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:HB3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:HG | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:N | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:O | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:OG | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:C | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:CA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:CB | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:CG | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:H | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:HA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:HB2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:HB3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:N | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:O | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:OD1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:OD2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:C | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:CA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:CB | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:CD1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:CD2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:CE1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:CE2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:CG | 2 | 1.27 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:CZ | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:H | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:HA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:HB2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:HB3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:HD1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:HD2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:HE1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:HE2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:HZ | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:N | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:O | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:C | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:CA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:CB | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:CD | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:CG | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:H | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:HA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:HB2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:HB3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:HG2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:HG3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:N | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:O | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:OE1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:OE2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CB | 2:B:655:GLY:C | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CB | 2:B:655:GLY:CA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CB | 2:B:655:GLY:H | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CB | 2:B:655:GLY:HA2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CB | 2:B:655:GLY:HA3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CB | 2:B:655:GLY:N | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CB | 2:B:655:GLY:O | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:C | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:CA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:CB | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:CD1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:CD2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:CE1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:CE2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:CG | 2 | 1.27 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:CZ | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:H | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:HA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:HB2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:HB3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:HD1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:HD2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:HE1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:HE2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:HZ | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:N | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:O | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:C | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:CA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:CB | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:H | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:HA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:HB3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:N | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:O | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:O1P | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:O2P | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:O3P | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:OG | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:P | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:C | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:CA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:CB | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:CD1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:CD2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:CE1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:CE2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:CG | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:CZ | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:H | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:HA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:HB2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:HB3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:HD1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:HD2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:HE1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:HE2 | 2 | 1.27 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:HH | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:N | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:O | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:OH | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CB | 2:B:659:NH2:HN1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CB | 2:B:659:NH2:HN2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CB | 2:B:659:NH2:N | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CG | 2:B:648:ACE:C | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CG | 2:B:648:ACE:CH3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CG | 2:B:648:ACE:H1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CG | 2:B:648:ACE:H2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CG | 2:B:648:ACE:H3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CG | 2:B:648:ACE:O | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:C | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:CA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:CB | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:CG | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:H | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:HA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:HB2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:HB3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:N | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:O | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:OD1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:OD2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:C | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:CA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:CB | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:CD | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:CG | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:H | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:HA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:HB2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:HB3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:HE21 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:HE22 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:HG2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:HG3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:N | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:NE2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:O | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:OE1 | 2 | 1.27 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:C | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:CA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:CB | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:H | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:HA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:HB2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:HB3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:HG | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:N | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:O | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:OG | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:C | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:CA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:CB | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:CG | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:H | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:HA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:HB2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:HB3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:N | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:O | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:OD1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:OD2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:C | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:CA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:CB | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:CD1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:CD2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:CE1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:CE2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:CG | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:CZ | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:H | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:HA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:HB2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:HB3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:HD1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:HD2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:HE1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:HE2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:HZ | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:N | 2 | 1.27 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:O | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:C | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:CA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:CB | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:CD | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:CG | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:H | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:HA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:HB2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:HB3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:HG2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:HG3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:N | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:O | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:OE1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:OE2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CG | 2:B:655:GLY:C | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CG | 2:B:655:GLY:CA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CG | 2:B:655:GLY:H | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CG | 2:B:655:GLY:HA2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CG | 2:B:655:GLY:HA3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CG | 2:B:655:GLY:N | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CG | 2:B:655:GLY:O | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:C | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:CA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:CB | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:CD1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:CD2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:CE1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:CE2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:CG | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:CZ | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:H | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:HA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:HB2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:HB3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:HD1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:HD2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:HE1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:HE2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:HZ | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:N | 2 | 1.27 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:O | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:C | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:CA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:CB | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:H | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:HA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:HB3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:N | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:O | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:O1P | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:O2P | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:O3P | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:OG | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:P | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:C | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:CA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:CB | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:CD1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:CD2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:CE1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:CE2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:CG | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:CZ | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:H | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:HA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:HB2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:HB3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:HD1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:HD2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:HE1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:HE2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:HH | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:N | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:O | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:OH | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CG | 2:B:659:NH2:HN1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CG | 2:B:659:NH2:HN2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:CG | 2:B:659:NH2:N | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:H | 2:B:648:ACE:C | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:H | 2:B:648:ACE:CH3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:H | 2:B:648:ACE:H1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:H | 2:B:648:ACE:H2 | 2 | 1.27 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:H | 2:B:648:ACE:H3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:H | 2:B:648:ACE:O | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:C | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:CA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:CB | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:CG | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:H | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:HA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:HB2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:HB3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:N | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:O | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:OD1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:OD2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:C | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:CA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:CB | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:CD | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:CG | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:H | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:HA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:HB2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:HB3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:HE21 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:HE22 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:HG2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:HG3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:N | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:NE2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:O | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:OE1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:C | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:CA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:CB | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:H | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:HA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:HB2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:HB3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:HG | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:N | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:O | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:OG | 2 | 1.27 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:C | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:CA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:CB | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:CG | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:H | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:HA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:HB2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:HB3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:N | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:O | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:OD1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:OD2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:C | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:CA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:CB | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:CD1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:CD2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:CE1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:CE2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:CG | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:CZ | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:H | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:HA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:HB2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:HB3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:HD1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:HD2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:HE1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:HE2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:HZ | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:N | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:O | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:C | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:CA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:CB | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:CD | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:CG | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:H | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:HA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:HB2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:HB3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:HG2 | 2 | 1.27 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:HG3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:N | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:O | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:OE1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:OE2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:H | 2:B:655:GLY:C | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:H | 2:B:655:GLY:CA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:H | 2:B:655:GLY:H | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:H | 2:B:655:GLY:HA2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:H | 2:B:655:GLY:HA3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:H | 2:B:655:GLY:N | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:H | 2:B:655:GLY:O | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:C | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:CA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:CB | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:CD1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:CD2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:CE1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:CE2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:CG | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:CZ | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:H | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:HA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:HB2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:HB3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:HD1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:HD2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:HE1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:HE2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:HZ | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:N | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:O | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:C | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:CA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:CB | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:H | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:HA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:HB3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:N | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:O | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:O1P | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:O2P | 2 | 1.27 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:O3P | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:OG | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:P | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:C | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:CA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:CB | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:CD1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:CD2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:CE1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:CE2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:CG | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:CZ | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:H | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:HA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:HB2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:HB3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:HD1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:HD2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:HE1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:HE2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:HH | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:N | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:O | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:OH | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:H | 2:B:659:NH2:HN1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:H | 2:B:659:NH2:HN2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:H | 2:B:659:NH2:N | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HA | 2:B:648:ACE:C | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HA | 2:B:648:ACE:CH3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HA | 2:B:648:ACE:H1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HA | 2:B:648:ACE:H2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HA | 2:B:648:ACE:H3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HA | 2:B:648:ACE:O | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:C | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:CA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:CB | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:CG | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:H | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:HA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:HB2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:HB3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:N | 2 | 1.27 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:O | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:OD1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:OD2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:C | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:CA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:CB | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:CD | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:CG | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:H | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:HA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:HB2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:HB3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:HE21 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:HE22 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:HG2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:HG3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:N | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:NE2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:O | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:OE1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:C | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:CA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:CB | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:H | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:HA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:HB2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:HB3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:HG | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:N | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:O | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:OG | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:C | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:CA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:CB | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:CG | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:H | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:HA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:HB2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:HB3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:N | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:O | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:OD1 | 2 | 1.27 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:OD2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:C | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:CA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:CB | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:CD1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:CD2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:CE1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:CE2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:CG | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:CZ | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:H | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:HA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:HB2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:HB3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:HD1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:HD2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:HE1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:HE2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:HZ | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:N | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:O | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:C | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:CA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:CB | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:CD | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:CG | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:H | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:HA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:HB2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:HB3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:HG2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:HG3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:N | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:O | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:OE1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:OE2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HA | 2:B:655:GLY:C | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HA | 2:B:655:GLY:CA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HA | 2:B:655:GLY:H | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HA | 2:B:655:GLY:HA2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HA | 2:B:655:GLY:HA3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HA | 2:B:655:GLY:N | 2 | 1.27 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HA | 2:B:655:GLY:O | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:C | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:CA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:CB | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:CD1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:CD2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:CE1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:CE2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:CG | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:CZ | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:H | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:HA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:HB2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:HB3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:HD1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:HD2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:HE1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:HE2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:HZ | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:N | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:O | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:C | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:CA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:CB | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:H | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:HA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:HB3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:N | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:O | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:O1P | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:O2P | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:O3P | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:OG | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:P | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:C | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:CA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:CB | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:CD1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:CD2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:CE1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:CE2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:CG | 2 | 1.27 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:CZ | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:H | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:HA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:HB2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:HB3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:HD1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:HD2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:HE1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:HE2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:HH | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:N | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:O | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:OH | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HA | 2:B:659:NH2:HN1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HA | 2:B:659:NH2:HN2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HA | 2:B:659:NH2:N | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:648:ACE:C | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:648:ACE:CH3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:648:ACE:H1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:648:ACE:H2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:648:ACE:H3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:648:ACE:O | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:C | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:CA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:CB | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:CG | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:H | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:HA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:HB2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:HB3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:N | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:O | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:OD1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:OD2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:C | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:CA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:CB | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:CD | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:CG | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:H | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:HA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:HB2 | 2 | 1.27 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:HB3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:HE21 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:HE22 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:HG2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:HG3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:N | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:NE2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:O | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:OE1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:C | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:CA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:CB | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:H | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:HA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:HB2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:HB3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:HG | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:N | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:O | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:OG | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:C | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:CA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:CB | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:CG | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:H | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:HA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:HB2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:HB3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:N | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:O | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:OD1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:OD2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:C | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:CA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:CB | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:CD1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:CD2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:CE1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:CE2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:CG | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:CZ | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:H | 2 | 1.27 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:HA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:HB2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:HB3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:HD1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:HD2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:HE1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:HE2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:HZ | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:N | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:O | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:C | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:CA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:CB | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:CD | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:CG | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:H | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:HA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:HB2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:HB3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:HG2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:HG3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:N | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:O | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:OE1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:OE2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:655:GLY:C | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:655:GLY:CA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:655:GLY:H | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:655:GLY:HA2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:655:GLY:HA3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:655:GLY:N | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:655:GLY:O | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:C | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:CA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:CB | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:CD1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:CD2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:CE1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:CE2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:CG | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:CZ | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:H | 2 | 1.27 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:HA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:HB2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:HB3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:HD1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:HD2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:HE1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:HE2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:HZ | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:N | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:O | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:C | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:CA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:CB | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:H | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:HA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:HB3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:N | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:O | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:O1P | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:O2P | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:O3P | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:OG | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:P | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:C | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:CA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:CB | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:CD1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:CD2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:CE1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:CE2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:CG | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:CZ | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:H | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:HA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:HB2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:HB3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:HD1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:HD2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:HE1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:HE2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:HH | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:N | 2 | 1.27 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:O | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:OH | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:659:NH2:HN1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:659:NH2:HN2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:659:NH2:N | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:648:ACE:C | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:648:ACE:CH3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:648:ACE:H1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:648:ACE:H2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:648:ACE:H3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:648:ACE:O | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:C | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:CA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:CB | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:CG | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:H | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:HA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:HB2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:HB3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:N | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:O | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:OD1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:OD2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:C | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:CA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:CB | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:CD | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:CG | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:H | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:HA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:HB2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:HB3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:HE21 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:HE22 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:HG2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:HG3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:N | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:NE2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:O | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:OE1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:C | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:CA | 2 | 1.27 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:CB | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:H | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:HA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:HB2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:HB3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:HG | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:N | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:O | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:OG | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:C | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:CA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:CB | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:CG | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:H | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:HA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:HB2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:HB3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:N | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:O | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:OD1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:OD2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:C | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:CA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:CB | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:CD1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:CD2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:CE1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:CE2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:CG | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:CZ | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:H | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:HA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:HB2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:HB3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:HD1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:HD2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:HE1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:HE2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:HZ | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:N | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:O | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:C | 2 | 1.27 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:CA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:CB | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:CD | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:CG | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:H | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:HA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:HB2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:HB3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:HG2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:HG3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:N | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:O | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:OE1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:OE2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:655:GLY:C | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:655:GLY:CA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:655:GLY:H | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:655:GLY:HA2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:655:GLY:HA3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:655:GLY:N | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:655:GLY:O | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:C | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:CA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:CB | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:CD1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:CD2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:CE1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:CE2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:CG | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:CZ | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:H | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:HA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:HB2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:HB3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:HD1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:HD2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:HE1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:HE2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:HZ | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:N | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:O | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:C | 2 | 1.27 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:CA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:CB | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:H | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:HA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:HB3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:N | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:O | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:O1P | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:O2P | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:O3P | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:OG | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:P | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:C | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:CA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:CB | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:CD1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:CD2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:CE1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:CE2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:CG | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:CZ | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:H | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:HA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:HB2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:HB3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:HD1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:HD2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:HE1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:HE2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:HH | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:N | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:O | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:OH | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:659:NH2:HN1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:659:NH2:HN2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:659:NH2:N | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:648:ACE:C | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:648:ACE:CH3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:648:ACE:H1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:648:ACE:H2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:648:ACE:H3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:648:ACE:O | 2 | 1.27 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:C | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:CA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:CB | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:CG | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:H | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:HA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:HB2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:HB3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:N | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:O | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:OD1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:OD2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:C | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:CA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:CB | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:CD | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:CG | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:H | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:HA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:HB2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:HB3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:HE21 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:HE22 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:HG2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:HG3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:N | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:NE2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:O | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:OE1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:C | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:CA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:CB | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:H | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:HA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:HB2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:HB3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:HG | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:N | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:O | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:OG | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:C | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:CA | 2 | 1.27 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:CB | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:CG | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:H | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:HA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:HB2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:HB3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:N | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:O | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:OD1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:OD2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:C | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:CA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:CB | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:CD1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:CD2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:CE1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:CE2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:CG | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:CZ | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:H | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:HA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:HB2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:HB3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:HD1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:HD2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:HE1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:HE2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:HZ | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:N | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:O | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:C | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:CA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:CB | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:CD | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:CG | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:H | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:HA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:HB2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:HB3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:HG2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:HG3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:N | 2 | 1.27 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:O | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:OE1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:OE2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:655:GLY:C | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:655:GLY:CA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:655:GLY:H | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:655:GLY:HA2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:655:GLY:HA3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:655:GLY:N | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:655:GLY:O | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:C | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:CA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:CB | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:CD1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:CD2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:CE1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:CE2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:CG | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:CZ | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:H | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:HA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:HB2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:HB3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:HD1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:HD2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:HE1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:HE2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:HZ | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:N | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:O | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:C | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:CA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:CB | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:H | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:HA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:HB3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:N | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:O | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:O1P | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:O2P | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:O3P | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:OG | 2 | 1.27 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:P | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:C | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:CA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:CB | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:CD1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:CD2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:CE1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:CE2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:CG | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:CZ | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:H | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:HA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:HB2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:HB3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:HD1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:HD2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:HE1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:HE2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:HH | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:N | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:O | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:OH | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:659:NH2:HN1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:659:NH2:HN2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:659:NH2:N | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:648:ACE:C | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:648:ACE:CH3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:648:ACE:H1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:648:ACE:H2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:648:ACE:H3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:648:ACE:O | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:C | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:CA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:CB | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:CG | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:H | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:HA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:HB2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:HB3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:N | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:O | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:OD1 | 2 | 1.27 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:OD2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:C | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:CA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:CB | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:CD | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:CG | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:H | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:HA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:HB2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:HB3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:HE21 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:HE22 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:HG2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:HG3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:N | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:NE2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:O | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:OE1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:C | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:CA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:CB | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:H | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:HA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:HB2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:HB3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:HG | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:N | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:O | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:OG | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:C | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:CA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:CB | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:CG | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:H | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:HA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:HB2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:HB3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:N | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:O | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:OD1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:OD2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:C | 2 | 1.27 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:CA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:CB | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:CD1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:CD2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:CE1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:CE2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:CG | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:CZ | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:H | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:HA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:HB2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:HB3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:HD1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:HD2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:HE1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:HE2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:HZ | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:N | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:O | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:C | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:CA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:CB | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:CD | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:CG | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:H | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:HA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:HB2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:HB3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:HG2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:HG3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:N | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:O | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:OE1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:OE2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:655:GLY:C | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:655:GLY:CA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:655:GLY:H | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:655:GLY:HA2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:655:GLY:HA3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:655:GLY:N | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:655:GLY:O | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:C | 2 | 1.27 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:CA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:CB | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:CD1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:CD2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:CE1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:CE2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:CG | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:CZ | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:H | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:HA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:HB2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:HB3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:HD1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:HD2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:HE1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:HE2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:HZ | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:N | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:O | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:C | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:CA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:CB | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:H | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:HA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:HB3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:N | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:O | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:O1P | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:O2P | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:O3P | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:OG | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:P | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:C | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:CA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:CB | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:CD1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:CD2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:CE1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:CE2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:CG | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:CZ | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:H | 2 | 1.27 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:HA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:HB2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:HB3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:HD1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:HD2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:HE1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:HE2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:HH | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:N | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:O | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:OH | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:659:NH2:HN1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:659:NH2:HN2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:659:NH2:N | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:N | 2:B:648:ACE:C | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:N | 2:B:648:ACE:CH3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:N | 2:B:648:ACE:H1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:N | 2:B:648:ACE:H2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:N | 2:B:648:ACE:H3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:N | 2:B:648:ACE:O | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:C | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:CA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:CB | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:CG | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:H | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:HA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:HB2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:HB3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:N | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:O | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:OD1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:OD2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:C | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:CA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:CB | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:CD | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:CG | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:H | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:HA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:HB2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:HB3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:HE21 | 2 | 1.27 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:HE22 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:HG2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:HG3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:N | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:NE2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:O | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:OE1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:C | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:CA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:CB | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:H | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:HA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:HB2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:HB3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:HG | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:N | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:O | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:OG | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:C | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:CA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:CB | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:CG | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:H | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:HA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:HB2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:HB3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:N | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:O | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:OD1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:OD2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:C | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:CA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:CB | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:CD1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:CD2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:CE1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:CE2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:CG | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:CZ | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:H | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:HA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:HB2 | 2 | 1.27 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:HB3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:HD1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:HD2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:HE1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:HE2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:HZ | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:N | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:O | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:C | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:CA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:CB | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:CD | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:CG | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:H | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:HA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:HB2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:HB3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:HG2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:HG3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:N | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:O | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:OE1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:OE2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:N | 2:B:655:GLY:C | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:N | 2:B:655:GLY:CA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:N | 2:B:655:GLY:H | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:N | 2:B:655:GLY:HA2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:N | 2:B:655:GLY:HA3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:N | 2:B:655:GLY:N | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:N | 2:B:655:GLY:O | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:C | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:CA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:CB | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:CD1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:CD2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:CE1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:CE2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:CG | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:CZ | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:H | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:HA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:HB2 | 2 | 1.27 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:HB3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:HD1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:HD2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:HE1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:HE2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:HZ | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:N | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:O | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:C | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:CA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:CB | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:H | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:HA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:HB3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:N | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:O | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:O1P | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:O2P | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:O3P | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:OG | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:P | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:C | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:CA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:CB | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:CD1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:CD2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:CE1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:CE2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:CG | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:CZ | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:H | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:HA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:HB2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:HB3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:HD1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:HD2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:HE1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:HE2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:HH | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:N | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:O | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:OH | 2 | 1.27 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:N | 2:B:659:NH2:HN1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:N | 2:B:659:NH2:HN2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:N | 2:B:659:NH2:N | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:648:ACE:C | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:648:ACE:CH3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:648:ACE:H1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:648:ACE:H2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:648:ACE:H3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:648:ACE:O | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:C | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:CA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:CB | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:CG | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:H | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:HA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:HB2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:HB3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:N | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:O | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:OD1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:OD2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:C | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:CA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:CB | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:CD | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:CG | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:H | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:HA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:HB2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:HB3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:HE21 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:HE22 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:HG2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:HG3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:N | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:NE2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:O | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:OE1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:C | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:CA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:CB | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:H | 2 | 1.27 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:HA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:HB2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:HB3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:HG | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:N | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:O | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:OG | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:C | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:CA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:CB | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:CG | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:H | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:HA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:HB2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:HB3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:N | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:O | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:OD1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:OD2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:C | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:CA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:CB | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:CD1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:CD2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:CE1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:CE2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:CG | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:CZ | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:H | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:HA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:HB2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:HB3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:HD1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:HD2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:HE1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:HE2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:HZ | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:N | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:O | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:C | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:CA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:CB | 2 | 1.27 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:CD | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:CG | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:H | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:HA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:HB2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:HB3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:HG2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:HG3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:N | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:O | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:OE1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:OE2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:655:GLY:C | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:655:GLY:CA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:655:GLY:H | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:655:GLY:HA2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:655:GLY:HA3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:655:GLY:N | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:655:GLY:O | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:C | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:CA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:CB | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:CD1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:CD2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:CE1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:CE2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:CG | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:CZ | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:H | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:HA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:HB2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:HB3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:HD1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:HD2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:HE1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:HE2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:HZ | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:N | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:O | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:C | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:CA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:CB | 2 | 1.27 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:H | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:HA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:HB3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:N | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:O | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:O1P | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:O2P | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:O3P | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:OG | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:P | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:C | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:CA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:CB | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:CD1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:CD2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:CE1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:CE2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:CG | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:CZ | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:H | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:HA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:HB2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:HB3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:HD1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:HD2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:HE1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:HE2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:HH | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:N | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:O | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:OH | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:659:NH2:HN1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:659:NH2:HN2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:659:NH2:N | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:O | 2:B:648:ACE:C | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:O | 2:B:648:ACE:CH3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:O | 2:B:648:ACE:H1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:O | 2:B:648:ACE:H2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:O | 2:B:648:ACE:H3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:O | 2:B:648:ACE:O | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:C | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:CA | 2 | 1.27 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:CB | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:CG | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:H | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:HA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:HB2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:HB3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:N | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:O | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:OD1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:OD2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:C | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:CA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:CB | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:CD | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:CG | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:H | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:HA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:HB2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:HB3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:HE21 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:HE22 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:HG2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:HG3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:N | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:NE2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:O | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:OE1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:C | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:CA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:CB | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:H | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:HA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:HB2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:HB3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:HG | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:N | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:O | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:OG | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:C | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:CA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:CB | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:CG | 2 | 1.27 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:H | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:HA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:HB2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:HB3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:N | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:O | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:OD1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:OD2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:C | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:CA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:CB | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:CD1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:CD2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:CE1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:CE2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:CG | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:CZ | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:H | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:HA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:HB2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:HB3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:HD1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:HD2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:HE1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:HE2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:HZ | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:N | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:O | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:C | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:CA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:CB | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:CD | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:CG | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:H | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:HA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:HB2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:HB3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:HG2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:HG3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:N | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:O | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:OE1 | 2 | 1.27 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:OE2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:O | 2:B:655:GLY:C | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:O | 2:B:655:GLY:CA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:O | 2:B:655:GLY:H | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:O | 2:B:655:GLY:HA2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:O | 2:B:655:GLY:HA3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:O | 2:B:655:GLY:N | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:O | 2:B:655:GLY:O | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:C | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:CA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:CB | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:CD1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:CD2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:CE1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:CE2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:CG | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:CZ | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:H | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:HA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:HB2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:HB3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:HD1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:HD2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:HE1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:HE2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:HZ | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:N | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:O | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:C | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:CA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:CB | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:H | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:HA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:HB3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:N | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:O | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:O1P | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:O2P | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:O3P | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:OG | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:P | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:C | 2 | 1.27 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:CA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:CB | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:CD1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:CD2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:CE1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:CE2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:CG | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:CZ | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:H | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:HA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:HB2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:HB3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:HD1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:HD2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:HE1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:HE2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:HH | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:N | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:O | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:OH | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:O | 2:B:659:NH2:HN1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:O | 2:B:659:NH2:HN2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:O | 2:B:659:NH2:N | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:648:ACE:C | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:648:ACE:CH3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:648:ACE:H1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:648:ACE:H2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:648:ACE:H3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:648:ACE:O | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:C | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:CA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:CB | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:CG | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:H | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:HA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:HB2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:HB3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:N | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:O | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:OD1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:OD2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:C | 2 | 1.27 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:CA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:CB | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:CD | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:CG | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:H | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:HA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:HB2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:HB3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:HE21 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:HE22 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:HG2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:HG3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:N | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:NE2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:O | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:OE1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:C | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:CA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:CB | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:H | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:HA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:HB2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:HB3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:HG | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:N | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:O | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:OG | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:C | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:CA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:CB | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:CG | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:H | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:HA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:HB2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:HB3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:N | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:O | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:OD1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:OD2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:C | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:CA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:CB | 2 | 1.27 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:CD1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:CD2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:CE1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:CE2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:CG | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:CZ | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:H | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:HA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:HB2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:HB3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:HD1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:HD2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:HE1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:HE2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:HZ | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:N | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:O | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:C | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:CA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:CB | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:CD | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:CG | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:H | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:HA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:HB2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:HB3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:HG2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:HG3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:N | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:O | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:OE1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:OE2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:655:GLY:C | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:655:GLY:CA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:655:GLY:H | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:655:GLY:HA2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:655:GLY:HA3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:655:GLY:N | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:655:GLY:O | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:C | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:CA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:CB | 2 | 1.27 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:CD1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:CD2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:CE1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:CE2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:CG | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:CZ | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:H | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:HA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:HB2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:HB3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:HD1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:HD2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:HE1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:HE2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:HZ | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:N | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:O | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:C | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:CA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:CB | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:H | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:HA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:HB3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:N | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:O | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:O1P | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:O2P | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:O3P | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:OG | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:P | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:C | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:CA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:CB | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:CD1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:CD2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:CE1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:CE2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:CG | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:CZ | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:H | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:HA | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:HB2 | 2 | 1.27 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:HB3 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:HD1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:HD2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:HE1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:HE2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:HH | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:N | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:O | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:OH | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:659:NH2:HN1 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:659:NH2:HN2 | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:659:NH2:N | 2 | 1.27 |
| (1,34) | 1:A:253:ASN:C | 2:B:648:ACE:C | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:648:ACE:CH3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:648:ACE:H1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:648:ACE:H2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:648:ACE:H3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:648:ACE:O | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:C | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:CA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:CB | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:CG | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:H | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:HA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:HB2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:HB3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:N | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:O | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:OD1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:OD2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:C | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:CA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:CB | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:CD | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:CG | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:H | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:HA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:HB2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:HB3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:HE21 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:HE22 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:HG2 | 12 | 1.26 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:HG3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:N | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:NE2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:O | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:OE1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:C | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:CA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:CB | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:H | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:HA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:HB2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:HB3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:HG | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:N | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:O | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:OG | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:C | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:CA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:CB | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:CG | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:H | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:HA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:HB2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:HB3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:N | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:O | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:OD1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:OD2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:C | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:CA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:CB | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:CD1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:CD2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:CE1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:CE2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:CG | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:CZ | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:H | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:HA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:HB2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:HB3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:HD1 | 12 | 1.26 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:HD2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:HE1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:HE2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:HZ | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:N | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:O | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:C | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:CA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:CB | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:CD | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:CG | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:H | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:HA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:HB2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:HB3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:HG2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:HG3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:N | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:O | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:OE1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:OE2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:655:GLY:C | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:655:GLY:CA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:655:GLY:H | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:655:GLY:HA2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:655:GLY:HA3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:655:GLY:N | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:655:GLY:O | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:C | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:CA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:CB | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:CD1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:CD2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:CE1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:CE2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:CG | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:CZ | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:H | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:HA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:HB2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:HB3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:HD1 | 12 | 1.26 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:HD2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:HE1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:HE2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:HZ | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:N | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:O | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:C | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:CA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:CB | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:H | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:HA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:HB3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:N | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:O | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:O1P | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:O2P | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:O3P | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:OG | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:P | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:C | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:CA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:CB | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:CD1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:CD2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:CE1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:CE2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:CG | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:CZ | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:H | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:HA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:HB2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:HB3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:HD1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:HD2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:HE1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:HE2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:HH | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:N | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:O | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:OH | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:659:NH2:HN1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:659:NH2:HN2 | 12 | 1.26 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:C | 2:B:659:NH2:N | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:648:ACE:C | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:648:ACE:CH3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:648:ACE:H1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:648:ACE:H2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:648:ACE:H3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:648:ACE:O | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:C | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:CA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:CB | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:CG | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:H | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:HA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:HB2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:HB3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:N | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:O | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:OD1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:OD2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:C | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:CA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:CB | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:CD | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:CG | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:H | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:HA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:HB2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:HB3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:HE21 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:HE22 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:HG2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:HG3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:N | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:NE2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:O | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:OE1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:C | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:CA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:CB | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:H | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:HA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:HB2 | 12 | 1.26 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:HB3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:HG | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:N | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:O | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:OG | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:C | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:CA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:CB | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:CG | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:H | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:HA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:HB2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:HB3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:N | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:O | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:OD1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:OD2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:C | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:CA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:CB | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:CD1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:CD2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:CE1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:CE2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:CG | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:CZ | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:H | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:HA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:HB2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:HB3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:HD1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:HD2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:HE1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:HE2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:HZ | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:N | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:O | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:C | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:CA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:CB | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:CD | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:CG | 12 | 1.26 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:H | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:HA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:HB2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:HB3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:HG2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:HG3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:N | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:O | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:OE1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:OE2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:655:GLY:C | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:655:GLY:CA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:655:GLY:H | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:655:GLY:HA2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:655:GLY:HA3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:655:GLY:N | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:655:GLY:O | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:C | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:CA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:CB | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:CD1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:CD2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:CE1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:CE2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:CG | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:CZ | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:H | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:HA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:HB2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:HB3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:HD1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:HD2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:HE1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:HE2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:HZ | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:N | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:O | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:C | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:CA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:CB | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:H | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:HA | 12 | 1.26 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:HB3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:N | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:O | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:O1P | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:O2P | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:O3P | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:OG | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:P | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:C | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:CA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:CB | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:CD1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:CD2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:CE1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:CE2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:CG | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:CZ | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:H | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:HA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:HB2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:HB3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:HD1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:HD2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:HE1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:HE2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:HH | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:N | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:O | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:OH | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:659:NH2:HN1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:659:NH2:HN2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:659:NH2:N | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:648:ACE:C | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:648:ACE:CH3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:648:ACE:H1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:648:ACE:H2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:648:ACE:H3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:648:ACE:O | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:C | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:CA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:CB | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:CG | 12 | 1.26 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:H | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:HA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:HB2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:HB3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:N | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:O | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:OD1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:OD2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:C | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:CA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:CB | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:CD | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:CG | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:H | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:HA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:HB2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:HB3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:HE21 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:HE22 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:HG2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:HG3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:N | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:NE2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:O | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:OE1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:C | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:CA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:CB | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:H | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:HA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:HB2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:HB3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:HG | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:N | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:O | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:OG | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:C | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:CA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:CB | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:CG | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:H | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:HA | 12 | 1.26 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:HB2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:HB3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:N | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:O | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:OD1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:OD2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:C | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:CA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:CB | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:CD1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:CD2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:CE1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:CE2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:CG | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:CZ | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:H | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:HA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:HB2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:HB3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:HD1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:HD2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:HE1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:HE2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:HZ | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:N | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:O | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:C | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:CA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:CB | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:CD | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:CG | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:H | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:HA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:HB2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:HB3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:HG2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:HG3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:N | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:O | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:OE1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:OE2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:655:GLY:C | 12 | 1.26 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CB | 2:B:655:GLY:CA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:655:GLY:H | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:655:GLY:HA2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:655:GLY:HA3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:655:GLY:N | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:655:GLY:O | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:C | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:CA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:CB | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:CD1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:CD2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:CE1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:CE2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:CG | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:CZ | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:H | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:HA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:HB2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:HB3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:HD1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:HD2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:HE1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:HE2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:HZ | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:N | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:O | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:C | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:CA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:CB | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:H | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:HA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:HB3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:N | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:O | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:O1P | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:O2P | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:O3P | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:OG | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:P | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:C | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:CA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:CB | 12 | 1.26 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:CD1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:CD2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:CE1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:CE2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:CG | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:CZ | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:H | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:HA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:HB2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:HB3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:HD1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:HD2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:HE1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:HE2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:HH | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:N | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:O | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:OH | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:659:NH2:HN1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:659:NH2:HN2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:659:NH2:N | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:648:ACE:C | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:648:ACE:CH3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:648:ACE:H1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:648:ACE:H2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:648:ACE:H3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:648:ACE:O | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:C | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:CA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:CB | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:CG | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:H | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:HA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:HB2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:HB3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:N | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:O | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:OD1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:OD2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:C | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:CA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:CB | 12 | 1.26 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:CD | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:CG | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:H | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:HA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:HB2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:HB3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:HE21 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:HE22 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:HG2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:HG3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:N | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:NE2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:O | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:OE1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:C | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:CA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:CB | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:H | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:HA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:HB2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:HB3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:HG | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:N | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:O | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:OG | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:C | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:CA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:CB | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:CG | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:H | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:HA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:HB2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:HB3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:N | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:O | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:OD1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:OD2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:C | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:CA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:CB | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:CD1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:CD2 | 12 | 1.26 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:CE1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:CE2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:CG | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:CZ | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:H | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:HA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:HB2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:HB3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:HD1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:HD2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:HE1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:HE2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:HZ | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:N | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:O | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:C | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:CA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:CB | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:CD | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:CG | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:H | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:HA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:HB2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:HB3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:HG2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:HG3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:N | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:O | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:OE1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:OE2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:655:GLY:C | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:655:GLY:CA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:655:GLY:H | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:655:GLY:HA2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:655:GLY:HA3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:655:GLY:N | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:655:GLY:O | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:C | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:CA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:CB | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:CD1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:CD2 | 12 | 1.26 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:CE1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:CE2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:CG | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:CZ | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:H | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:HA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:HB2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:HB3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:HD1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:HD2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:HE1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:HE2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:HZ | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:N | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:O | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:C | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:CA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:CB | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:H | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:HA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:HB3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:N | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:O | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:O1P | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:O2P | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:O3P | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:OG | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:P | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:C | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:CA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:CB | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:CD1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:CD2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:CE1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:CE2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:CG | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:CZ | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:H | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:HA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:HB2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:HB3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:HD1 | 12 | 1.26 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:HD2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:HE1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:HE2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:HH | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:N | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:O | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:OH | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:659:NH2:HN1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:659:NH2:HN2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:659:NH2:N | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:648:ACE:C | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:648:ACE:CH3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:648:ACE:H1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:648:ACE:H2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:648:ACE:H3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:648:ACE:O | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:C | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:CA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:CB | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:CG | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:H | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:HA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:HB2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:HB3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:N | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:O | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:OD1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:OD2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:C | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:CA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:CB | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:CD | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:CG | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:H | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:HA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:HB2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:HB3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:HE21 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:HE22 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:HG2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:HG3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:N | 12 | 1.26 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:NE2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:O | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:OE1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:C | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:CA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:CB | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:H | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:HA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:HB2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:HB3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:HG | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:N | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:O | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:OG | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:C | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:CA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:CB | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:CG | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:H | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:HA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:HB2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:HB3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:N | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:O | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:OD1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:OD2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:C | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:CA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:CB | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:CD1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:CD2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:CE1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:CE2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:CG | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:CZ | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:H | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:HA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:HB2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:HB3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:HD1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:HD2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:HE1 | 12 | 1.26 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:HE2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:HZ | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:N | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:O | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:C | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:CA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:CB | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:CD | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:CG | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:H | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:HA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:HB2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:HB3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:HG2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:HG3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:N | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:O | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:OE1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:OE2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:655:GLY:C | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:655:GLY:CA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:655:GLY:H | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:655:GLY:HA2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:655:GLY:HA3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:655:GLY:N | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:655:GLY:O | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:C | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:CA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:CB | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:CD1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:CD2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:CE1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:CE2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:CG | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:CZ | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:H | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:HA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:HB2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:HB3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:HD1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:HD2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:HE1 | 12 | 1.26 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:HE2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:HZ | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:N | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:O | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:C | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:CA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:CB | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:H | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:HA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:HB3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:N | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:O | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:O1P | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:O2P | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:O3P | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:OG | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:P | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:C | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:CA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:CB | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:CD1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:CD2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:CE1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:CE2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:CG | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:CZ | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:H | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:HA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:HB2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:HB3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:HD1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:HD2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:HE1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:HE2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:HH | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:N | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:O | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:OH | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:659:NH2:HN1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:659:NH2:HN2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:659:NH2:N | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:648:ACE:C | 12 | 1.26 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HA | 2:B:648:ACE:CH3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:648:ACE:H1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:648:ACE:H2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:648:ACE:H3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:648:ACE:O | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:C | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:CA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:CB | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:CG | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:H | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:HA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:HB2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:HB3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:N | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:O | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:OD1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:OD2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:C | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:CA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:CB | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:CD | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:CG | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:H | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:HA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:HB2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:HB3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:HE21 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:HE22 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:HG2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:HG3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:N | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:NE2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:O | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:OE1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:C | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:CA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:CB | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:H | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:HA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:HB2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:HB3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:HG | 12 | 1.26 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:N | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:O | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:OG | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:C | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:CA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:CB | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:CG | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:H | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:HA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:HB2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:HB3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:N | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:O | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:OD1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:OD2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:C | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:CA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:CB | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:CD1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:CD2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:CE1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:CE2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:CG | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:CZ | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:H | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:HA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:HB2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:HB3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:HD1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:HD2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:HE1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:HE2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:HZ | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:N | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:O | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:C | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:CA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:CB | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:CD | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:CG | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:H | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:HA | 12 | 1.26 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:HB2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:HB3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:HG2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:HG3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:N | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:O | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:OE1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:OE2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:655:GLY:C | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:655:GLY:CA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:655:GLY:H | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:655:GLY:HA2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:655:GLY:HA3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:655:GLY:N | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:655:GLY:O | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:C | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:CA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:CB | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:CD1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:CD2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:CE1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:CE2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:CG | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:CZ | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:H | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:HA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:HB2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:HB3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:HD1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:HD2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:HE1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:HE2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:HZ | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:N | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:O | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:C | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:CA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:CB | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:H | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:HA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:HB3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:N | 12 | 1.26 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:O | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:O1P | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:O2P | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:O3P | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:OG | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:P | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:C | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:CA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:CB | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:CD1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:CD2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:CE1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:CE2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:CG | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:CZ | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:H | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:HA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:HB2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:HB3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:HD1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:HD2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:HE1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:HE2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:HH | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:N | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:O | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:OH | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:659:NH2:HN1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:659:NH2:HN2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:659:NH2:N | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:648:ACE:C | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:648:ACE:CH3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:648:ACE:H1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:648:ACE:H2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:648:ACE:H3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:648:ACE:O | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:C | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:CA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:CB | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:CG | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:H | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:HA | 12 | 1.26 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:HB2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:HB3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:N | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:O | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:OD1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:OD2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:C | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:CA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:CB | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:CD | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:CG | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:H | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:HA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:HB2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:HB3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:HE21 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:HE22 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:HG2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:HG3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:N | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:NE2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:O | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:OE1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:C | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:CA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:CB | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:H | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:HA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:HB2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:HB3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:HG | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:N | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:O | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:OG | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:C | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:CA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:CB | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:CG | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:H | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:HA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:HB2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:HB3 | 12 | 1.26 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:N | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:O | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:OD1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:OD2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:C | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:CA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:CB | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:CD1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:CD2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:CE1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:CE2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:CG | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:CZ | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:H | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:HA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:HB2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:HB3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:HD1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:HD2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:HE1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:HE2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:HZ | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:N | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:O | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:C | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:CA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:CB | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:CD | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:CG | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:H | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:HA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:HB2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:HB3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:HG2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:HG3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:N | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:O | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:OE1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:OE2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:655:GLY:C | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:655:GLY:CA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:655:GLY:H | 12 | 1.26 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HB2 | 2:B:655:GLY:HA2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:655:GLY:HA3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:655:GLY:N | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:655:GLY:O | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:C | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:CA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:CB | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:CD1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:CD2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:CE1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:CE2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:CG | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:CZ | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:H | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:HA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:HB2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:HB3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:HD1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:HD2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:HE1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:HE2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:HZ | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:N | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:O | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:C | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:CA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:CB | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:H | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:HA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:HB3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:N | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:O | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:O1P | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:O2P | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:O3P | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:OG | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:P | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:C | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:CA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:CB | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:CD1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:CD2 | 12 | 1.26 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:CE1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:CE2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:CG | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:CZ | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:H | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:HA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:HB2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:HB3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:HD1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:HD2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:HE1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:HE2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:HH | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:N | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:O | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:OH | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:659:NH2:HN1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:659:NH2:HN2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:659:NH2:N | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:648:ACE:C | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:648:ACE:CH3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:648:ACE:H1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:648:ACE:H2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:648:ACE:H3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:648:ACE:O | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:C | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:CA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:CB | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:CG | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:H | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:HA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:HB2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:HB3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:N | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:O | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:OD1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:OD2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:C | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:CA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:CB | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:CD | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:CG | 12 | 1.26 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:H | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:HA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:HB2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:HB3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:HE21 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:HE22 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:HG2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:HG3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:N | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:NE2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:O | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:OE1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:C | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:CA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:CB | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:H | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:HA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:HB2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:HB3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:HG | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:N | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:O | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:OG | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:C | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:CA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:CB | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:CG | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:H | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:HA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:HB2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:HB3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:N | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:O | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:OD1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:OD2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:C | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:CA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:CB | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:CD1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:CD2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:CE1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:CE2 | 12 | 1.26 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:CG | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:CZ | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:H | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:HA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:HB2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:HB3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:HD1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:HD2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:HE1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:HE2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:HZ | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:N | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:O | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:C | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:CA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:CB | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:CD | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:CG | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:H | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:HA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:HB2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:HB3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:HG2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:HG3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:N | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:O | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:OE1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:OE2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:655:GLY:C | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:655:GLY:CA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:655:GLY:H | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:655:GLY:HA2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:655:GLY:HA3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:655:GLY:N | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:655:GLY:O | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:C | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:CA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:CB | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:CD1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:CD2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:CE1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:CE2 | 12 | 1.26 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:CG | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:CZ | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:H | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:HA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:HB2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:HB3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:HD1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:HD2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:HE1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:HE2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:HZ | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:N | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:O | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:C | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:CA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:CB | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:H | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:HA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:HB3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:N | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:O | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:O1P | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:O2P | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:O3P | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:OG | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:P | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:C | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:CA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:CB | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:CD1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:CD2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:CE1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:CE2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:CG | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:CZ | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:H | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:HA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:HB2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:HB3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:HD1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:HD2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:HE1 | 12 | 1.26 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:HE2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:HH | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:N | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:O | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:OH | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:659:NH2:HN1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:659:NH2:HN2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:659:NH2:N | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:648:ACE:C | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:648:ACE:CH3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:648:ACE:H1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:648:ACE:H2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:648:ACE:H3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:648:ACE:O | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:C | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:CA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:CB | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:CG | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:H | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:HA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:HB2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:HB3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:N | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:O | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:OD1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:OD2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:C | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:CA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:CB | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:CD | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:CG | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:H | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:HA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:HB2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:HB3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:HE21 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:HE22 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:HG2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:HG3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:N | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:NE2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:O | 12 | 1.26 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:OE1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:C | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:CA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:CB | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:H | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:HA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:HB2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:HB3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:HG | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:N | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:O | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:OG | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:C | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:CA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:CB | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:CG | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:H | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:HA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:HB2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:HB3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:N | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:O | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:OD1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:OD2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:C | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:CA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:CB | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:CD1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:CD2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:CE1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:CE2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:CG | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:CZ | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:H | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:HA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:HB2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:HB3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:HD1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:HD2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:HE1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:HE2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:HZ | 12 | 1.26 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:N | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:O | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:C | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:CA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:CB | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:CD | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:CG | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:H | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:HA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:HB2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:HB3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:HG2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:HG3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:N | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:O | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:OE1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:OE2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:655:GLY:C | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:655:GLY:CA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:655:GLY:H | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:655:GLY:HA2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:655:GLY:HA3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:655:GLY:N | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:655:GLY:O | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:C | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:CA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:CB | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:CD1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:CD2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:CE1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:CE2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:CG | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:CZ | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:H | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:HA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:HB2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:HB3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:HD1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:HD2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:HE1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:HE2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:HZ | 12 | 1.26 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:N | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:O | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:C | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:CA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:CB | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:H | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:HA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:HB3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:N | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:O | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:O1P | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:O2P | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:O3P | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:OG | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:P | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:C | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:CA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:CB | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:CD1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:CD2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:CE1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:CE2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:CG | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:CZ | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:H | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:HA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:HB2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:HB3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:HD1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:HD2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:HE1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:HE2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:HH | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:N | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:O | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:OH | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:659:NH2:HN1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:659:NH2:HN2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:659:NH2:N | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:648:ACE:C | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:648:ACE:CH3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:648:ACE:H1 | 12 | 1.26 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HD22 | 2:B:648:ACE:H2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:648:ACE:H3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:648:ACE:O | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:C | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:CA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:CB | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:CG | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:H | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:HA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:HB2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:HB3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:N | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:O | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:OD1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:OD2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:C | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:CA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:CB | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:CD | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:CG | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:H | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:HA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:HB2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:HB3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:HE21 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:HE22 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:HG2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:HG3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:N | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:NE2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:O | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:OE1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:C | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:CA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:CB | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:H | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:HA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:HB2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:HB3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:HG | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:N | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:O | 12 | 1.26 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:OG | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:C | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:CA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:CB | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:CG | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:H | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:HA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:HB2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:HB3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:N | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:O | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:OD1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:OD2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:C | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:CA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:CB | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:CD1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:CD2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:CE1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:CE2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:CG | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:CZ | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:H | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:HA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:HB2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:HB3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:HD1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:HD2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:HE1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:HE2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:HZ | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:N | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:O | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:C | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:CA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:CB | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:CD | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:CG | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:H | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:HA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:HB2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:HB3 | 12 | 1.26 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:HG2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:HG3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:N | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:O | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:OE1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:OE2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:655:GLY:C | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:655:GLY:CA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:655:GLY:H | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:655:GLY:HA2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:655:GLY:HA3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:655:GLY:N | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:655:GLY:O | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:C | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:CA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:CB | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:CD1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:CD2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:CE1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:CE2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:CG | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:CZ | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:H | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:HA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:HB2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:HB3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:HD1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:HD2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:HE1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:HE2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:HZ | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:N | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:O | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:C | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:CA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:CB | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:H | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:HA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:HB3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:N | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:O | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:O1P | 12 | 1.26 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:O2P | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:O3P | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:OG | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:P | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:C | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:CA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:CB | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:CD1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:CD2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:CE1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:CE2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:CG | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:CZ | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:H | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:HA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:HB2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:HB3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:HD1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:HD2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:HE1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:HE2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:HH | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:N | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:O | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:OH | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:659:NH2:HN1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:659:NH2:HN2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:659:NH2:N | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:648:ACE:C | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:648:ACE:CH3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:648:ACE:H1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:648:ACE:H2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:648:ACE:H3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:648:ACE:O | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:C | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:CA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:CB | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:CG | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:H | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:HA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:HB2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:HB3 | 12 | 1.26 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:N | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:O | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:OD1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:OD2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:C | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:CA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:CB | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:CD | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:CG | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:H | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:HA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:HB2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:HB3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:HE21 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:HE22 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:HG2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:HG3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:N | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:NE2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:O | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:OE1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:C | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:CA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:CB | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:H | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:HA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:HB2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:HB3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:HG | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:N | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:O | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:OG | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:C | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:CA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:CB | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:CG | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:H | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:HA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:HB2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:HB3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:N | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:O | 12 | 1.26 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:OD1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:OD2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:C | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:CA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:CB | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:CD1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:CD2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:CE1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:CE2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:CG | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:CZ | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:H | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:HA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:HB2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:HB3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:HD1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:HD2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:HE1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:HE2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:HZ | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:N | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:O | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:C | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:CA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:CB | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:CD | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:CG | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:H | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:HA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:HB2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:HB3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:HG2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:HG3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:N | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:O | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:OE1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:OE2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:655:GLY:C | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:655:GLY:CA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:655:GLY:H | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:655:GLY:HA2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:655:GLY:HA3 | 12 | 1.26 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:N | 2:B:655:GLY:N | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:655:GLY:O | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:C | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:CA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:CB | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:CD1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:CD2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:CE1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:CE2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:CG | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:CZ | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:H | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:HA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:HB2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:HB3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:HD1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:HD2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:HE1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:HE2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:HZ | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:N | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:O | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:C | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:CA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:CB | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:H | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:HA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:HB3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:N | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:O | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:O1P | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:O2P | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:O3P | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:OG | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:P | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:C | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:CA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:CB | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:CD1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:CD2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:CE1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:CE2 | 12 | 1.26 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:CG | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:CZ | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:H | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:HA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:HB2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:HB3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:HD1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:HD2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:HE1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:HE2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:HH | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:N | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:O | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:OH | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:659:NH2:HN1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:659:NH2:HN2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:659:NH2:N | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:648:ACE:C | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:648:ACE:CH3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:648:ACE:H1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:648:ACE:H2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:648:ACE:H3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:648:ACE:O | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:C | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:CA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:CB | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:CG | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:H | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:HA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:HB2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:HB3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:N | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:O | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:OD1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:OD2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:C | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:CA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:CB | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:CD | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:CG | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:H | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:HA | 12 | 1.26 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:HB2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:HB3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:HE21 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:HE22 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:HG2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:HG3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:N | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:NE2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:O | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:OE1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:C | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:CA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:CB | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:H | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:HA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:HB2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:HB3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:HG | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:N | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:O | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:OG | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:C | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:CA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:CB | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:CG | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:H | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:HA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:HB2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:HB3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:N | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:O | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:OD1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:OD2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:C | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:CA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:CB | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:CD1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:CD2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:CE1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:CE2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:CG | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:CZ | 12 | 1.26 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:H | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:HA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:HB2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:HB3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:HD1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:HD2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:HE1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:HE2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:HZ | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:N | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:O | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:C | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:CA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:CB | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:CD | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:CG | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:H | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:HA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:HB2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:HB3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:HG2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:HG3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:N | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:O | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:OE1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:OE2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:655:GLY:C | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:655:GLY:CA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:655:GLY:H | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:655:GLY:HA2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:655:GLY:HA3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:655:GLY:N | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:655:GLY:O | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:C | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:CA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:CB | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:CD1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:CD2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:CE1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:CE2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:CG | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:CZ | 12 | 1.26 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:H | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:HA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:HB2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:HB3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:HD1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:HD2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:HE1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:HE2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:HZ | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:N | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:O | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:C | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:CA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:CB | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:H | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:HA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:HB3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:N | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:O | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:O1P | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:O2P | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:O3P | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:OG | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:P | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:C | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:CA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:CB | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:CD1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:CD2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:CE1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:CE2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:CG | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:CZ | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:H | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:HA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:HB2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:HB3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:HD1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:HD2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:HE1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:HE2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:HH | 12 | 1.26 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:N | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:O | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:OH | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:659:NH2:HN1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:659:NH2:HN2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:659:NH2:N | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:648:ACE:C | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:648:ACE:CH3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:648:ACE:H1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:648:ACE:H2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:648:ACE:H3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:648:ACE:O | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:C | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:CA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:CB | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:CG | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:H | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:HA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:HB2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:HB3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:N | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:O | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:OD1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:OD2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:C | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:CA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:CB | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:CD | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:CG | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:H | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:HA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:HB2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:HB3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:HE21 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:HE22 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:HG2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:HG3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:N | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:NE2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:O | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:OE1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:C | 12 | 1.26 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:CA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:CB | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:H | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:HA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:HB2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:HB3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:HG | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:N | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:O | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:OG | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:C | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:CA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:CB | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:CG | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:H | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:HA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:HB2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:HB3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:N | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:O | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:OD1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:OD2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:C | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:CA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:CB | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:CD1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:CD2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:CE1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:CE2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:CG | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:CZ | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:H | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:HA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:HB2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:HB3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:HD1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:HD2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:HE1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:HE2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:HZ | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:N | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:O | 12 | 1.26 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:C | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:CA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:CB | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:CD | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:CG | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:H | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:HA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:HB2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:HB3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:HG2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:HG3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:N | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:O | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:OE1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:OE2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:655:GLY:C | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:655:GLY:CA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:655:GLY:H | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:655:GLY:HA2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:655:GLY:HA3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:655:GLY:N | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:655:GLY:O | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:C | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:CA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:CB | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:CD1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:CD2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:CE1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:CE2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:CG | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:CZ | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:H | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:HA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:HB2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:HB3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:HD1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:HD2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:HE1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:HE2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:HZ | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:N | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:O | 12 | 1.26 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:C | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:CA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:CB | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:H | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:HA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:HB3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:N | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:O | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:O1P | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:O2P | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:O3P | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:OG | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:P | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:C | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:CA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:CB | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:CD1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:CD2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:CE1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:CE2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:CG | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:CZ | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:H | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:HA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:HB2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:HB3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:HD1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:HD2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:HE1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:HE2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:HH | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:N | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:O | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:OH | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:659:NH2:HN1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:659:NH2:HN2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:659:NH2:N | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:648:ACE:C | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:648:ACE:CH3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:648:ACE:H1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:648:ACE:H2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:648:ACE:H3 | 12 | 1.26 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:OD1 | 2:B:648:ACE:O | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:C | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:CA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:CB | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:CG | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:H | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:HA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:HB2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:HB3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:N | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:O | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:OD1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:OD2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:C | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:CA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:CB | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:CD | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:CG | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:H | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:HA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:HB2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:HB3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:HE21 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:HE22 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:HG2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:HG3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:N | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:NE2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:O | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:OE1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:C | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:CA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:CB | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:H | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:HA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:HB2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:HB3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:HG | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:N | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:O | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:OG | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:C | 12 | 1.26 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:CA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:CB | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:CG | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:H | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:HA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:HB2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:HB3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:N | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:O | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:OD1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:OD2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:C | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:CA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:CB | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:CD1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:CD2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:CE1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:CE2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:CG | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:CZ | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:H | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:HA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:HB2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:HB3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:HD1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:HD2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:HE1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:HE2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:HZ | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:N | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:O | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:C | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:CA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:CB | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:CD | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:CG | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:H | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:HA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:HB2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:HB3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:HG2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:HG3 | 12 | 1.26 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:N | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:O | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:OE1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:OE2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:655:GLY:C | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:655:GLY:CA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:655:GLY:H | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:655:GLY:HA2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:655:GLY:HA3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:655:GLY:N | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:655:GLY:O | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:C | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:CA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:CB | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:CD1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:CD2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:CE1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:CE2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:CG | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:CZ | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:H | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:HA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:HB2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:HB3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:HD1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:HD2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:HE1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:HE2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:HZ | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:N | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:O | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:C | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:CA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:CB | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:H | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:HA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:HB3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:N | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:O | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:O1P | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:O2P | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:O3P | 12 | 1.26 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:OG | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:P | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:C | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:CA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:CB | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:CD1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:CD2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:CE1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:CE2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:CG | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:CZ | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:H | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:HA | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:HB2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:HB3 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:HD1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:HD2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:HE1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:HE2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:HH | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:N | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:O | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:OH | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:659:NH2:HN1 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:659:NH2:HN2 | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:659:NH2:N | 12 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:648:ACE:C | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:648:ACE:CH3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:648:ACE:H1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:648:ACE:H2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:648:ACE:H3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:648:ACE:O | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:C | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:CA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:CB | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:CG | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:H | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:HA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:HB2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:HB3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:N | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:O | 15 | 1.26 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:OD1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:OD2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:C | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:CA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:CB | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:CD | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:CG | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:H | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:HA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:HB2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:HB3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:HE21 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:HE22 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:HG2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:HG3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:N | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:NE2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:O | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:OE1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:C | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:CA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:CB | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:H | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:HA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:HB2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:HB3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:HG | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:N | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:O | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:OG | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:C | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:CA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:CB | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:CG | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:H | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:HA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:HB2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:HB3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:N | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:O | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:OD1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:OD2 | 15 | 1.26 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:C | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:CA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:CB | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:CD1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:CD2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:CE1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:CE2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:CG | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:CZ | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:H | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:HA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:HB2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:HB3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:HD1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:HD2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:HE1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:HE2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:HZ | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:N | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:O | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:C | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:CA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:CB | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:CD | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:CG | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:H | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:HA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:HB2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:HB3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:HG2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:HG3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:N | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:O | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:OE1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:OE2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:655:GLY:C | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:655:GLY:CA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:655:GLY:H | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:655:GLY:HA2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:655:GLY:HA3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:655:GLY:N | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:655:GLY:O | 15 | 1.26 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:C | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:CA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:CB | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:CD1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:CD2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:CE1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:CE2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:CG | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:CZ | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:H | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:HA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:HB2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:HB3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:HD1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:HD2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:HE1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:HE2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:HZ | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:N | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:O | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:C | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:CA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:CB | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:H | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:HA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:HB3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:N | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:O | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:O1P | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:O2P | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:O3P | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:OG | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:P | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:C | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:CA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:CB | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:CD1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:CD2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:CE1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:CE2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:CG | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:CZ | 15 | 1.26 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:H | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:HA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:HB2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:HB3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:HD1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:HD2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:HE1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:HE2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:HH | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:N | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:O | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:OH | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:659:NH2:HN1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:659:NH2:HN2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:659:NH2:N | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:648:ACE:C | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:648:ACE:CH3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:648:ACE:H1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:648:ACE:H2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:648:ACE:H3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:648:ACE:O | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:C | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:CA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:CB | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:CG | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:H | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:HA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:HB2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:HB3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:N | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:O | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:OD1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:OD2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:C | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:CA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:CB | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:CD | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:CG | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:H | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:HA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:HB2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:HB3 | 15 | 1.26 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:HE21 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:HE22 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:HG2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:HG3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:N | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:NE2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:O | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:OE1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:C | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:CA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:CB | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:H | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:HA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:HB2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:HB3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:HG | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:N | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:O | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:OG | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:C | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:CA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:CB | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:CG | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:H | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:HA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:HB2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:HB3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:N | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:O | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:OD1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:OD2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:C | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:CA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:CB | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:CD1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:CD2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:CE1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:CE2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:CG | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:CZ | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:H | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:HA | 15 | 1.26 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:HB2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:HB3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:HD1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:HD2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:HE1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:HE2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:HZ | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:N | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:O | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:C | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:CA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:CB | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:CD | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:CG | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:H | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:HA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:HB2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:HB3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:HG2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:HG3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:N | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:O | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:OE1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:OE2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:655:GLY:C | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:655:GLY:CA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:655:GLY:H | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:655:GLY:HA2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:655:GLY:HA3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:655:GLY:N | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:655:GLY:O | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:C | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:CA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:CB | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:CD1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:CD2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:CE1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:CE2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:CG | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:CZ | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:H | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:HA | 15 | 1.26 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:HB2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:HB3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:HD1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:HD2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:HE1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:HE2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:HZ | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:N | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:O | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:C | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:CA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:CB | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:H | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:HA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:HB3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:N | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:O | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:O1P | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:O2P | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:O3P | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:OG | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:P | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:C | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:CA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:CB | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:CD1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:CD2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:CE1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:CE2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:CG | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:CZ | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:H | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:HA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:HB2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:HB3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:HD1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:HD2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:HE1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:HE2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:HH | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:N | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:O | 15 | 1.26 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:OH | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:659:NH2:HN1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:659:NH2:HN2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CA | 2:B:659:NH2:N | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:648:ACE:C | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:648:ACE:CH3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:648:ACE:H1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:648:ACE:H2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:648:ACE:H3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:648:ACE:O | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:C | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:CA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:CB | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:CG | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:H | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:HA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:HB2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:HB3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:N | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:O | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:OD1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:OD2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:C | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:CA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:CB | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:CD | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:CG | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:H | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:HA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:HB2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:HB3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:HE21 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:HE22 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:HG2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:HG3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:N | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:NE2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:O | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:OE1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:C | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:CA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:CB | 15 | 1.26 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:H | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:HA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:HB2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:HB3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:HG | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:N | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:O | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:OG | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:C | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:CA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:CB | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:CG | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:H | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:HA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:HB2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:HB3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:N | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:O | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:OD1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:OD2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:C | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:CA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:CB | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:CD1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:CD2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:CE1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:CE2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:CG | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:CZ | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:H | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:HA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:HB2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:HB3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:HD1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:HD2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:HE1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:HE2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:HZ | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:N | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:O | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:C | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:CA | 15 | 1.26 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:CB | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:CD | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:CG | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:H | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:HA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:HB2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:HB3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:HG2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:HG3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:N | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:O | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:OE1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:OE2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:655:GLY:C | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:655:GLY:CA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:655:GLY:H | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:655:GLY:HA2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:655:GLY:HA3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:655:GLY:N | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:655:GLY:O | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:C | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:CA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:CB | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:CD1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:CD2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:CE1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:CE2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:CG | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:CZ | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:H | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:HA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:HB2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:HB3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:HD1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:HD2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:HE1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:HE2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:HZ | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:N | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:O | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:C | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:CA | 15 | 1.26 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:CB | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:H | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:HA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:HB3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:N | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:O | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:O1P | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:O2P | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:O3P | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:OG | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:P | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:C | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:CA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:CB | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:CD1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:CD2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:CE1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:CE2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:CG | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:CZ | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:H | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:HA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:HB2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:HB3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:HD1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:HD2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:HE1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:HE2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:HH | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:N | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:O | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:OH | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:659:NH2:HN1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:659:NH2:HN2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CB | 2:B:659:NH2:N | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:648:ACE:C | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:648:ACE:CH3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:648:ACE:H1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:648:ACE:H2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:648:ACE:H3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:648:ACE:O | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:C | 15 | 1.26 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:CA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:CB | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:CG | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:H | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:HA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:HB2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:HB3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:N | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:O | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:OD1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:OD2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:C | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:CA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:CB | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:CD | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:CG | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:H | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:HA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:HB2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:HB3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:HE21 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:HE22 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:HG2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:HG3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:N | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:NE2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:O | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:OE1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:C | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:CA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:CB | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:H | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:HA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:HB2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:HB3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:HG | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:N | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:O | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:OG | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:C | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:CA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:CB | 15 | 1.26 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:CG | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:H | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:HA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:HB2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:HB3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:N | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:O | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:OD1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:OD2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:C | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:CA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:CB | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:CD1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:CD2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:CE1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:CE2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:CG | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:CZ | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:H | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:HA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:HB2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:HB3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:HD1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:HD2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:HE1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:HE2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:HZ | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:N | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:O | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:C | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:CA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:CB | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:CD | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:CG | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:H | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:HA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:HB2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:HB3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:HG2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:HG3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:N | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:O | 15 | 1.26 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:OE1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:OE2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:655:GLY:C | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:655:GLY:CA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:655:GLY:H | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:655:GLY:HA2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:655:GLY:HA3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:655:GLY:N | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:655:GLY:O | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:C | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:CA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:CB | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:CD1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:CD2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:CE1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:CE2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:CG | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:CZ | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:H | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:HA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:HB2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:HB3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:HD1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:HD2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:HE1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:HE2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:HZ | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:N | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:O | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:C | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:CA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:CB | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:H | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:HA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:HB3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:N | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:O | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:O1P | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:O2P | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:O3P | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:OG | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:P | 15 | 1.26 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:C | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:CA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:CB | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:CD1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:CD2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:CE1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:CE2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:CG | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:CZ | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:H | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:HA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:HB2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:HB3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:HD1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:HD2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:HE1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:HE2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:HH | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:N | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:O | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:OH | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:659:NH2:HN1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:659:NH2:HN2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:CG | 2:B:659:NH2:N | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:648:ACE:C | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:648:ACE:CH3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:648:ACE:H1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:648:ACE:H2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:648:ACE:H3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:648:ACE:O | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:C | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:CA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:CB | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:CG | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:H | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:HA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:HB2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:HB3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:N | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:O | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:OD1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:OD2 | 15 | 1.26 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:C | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:CA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:CB | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:CD | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:CG | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:H | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:HA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:HB2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:HB3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:HE21 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:HE22 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:HG2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:HG3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:N | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:NE2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:O | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:OE1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:C | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:CA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:CB | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:H | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:HA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:HB2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:HB3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:HG | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:N | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:O | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:OG | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:C | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:CA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:CB | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:CG | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:H | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:HA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:HB2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:HB3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:N | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:O | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:OD1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:OD2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:C | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:CA | 15 | 1.26 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:CB | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:CD1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:CD2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:CE1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:CE2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:CG | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:CZ | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:H | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:HA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:HB2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:HB3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:HD1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:HD2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:HE1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:HE2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:HZ | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:N | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:O | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:C | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:CA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:CB | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:CD | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:CG | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:H | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:HA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:HB2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:HB3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:HG2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:HG3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:N | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:O | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:OE1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:OE2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:655:GLY:C | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:655:GLY:CA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:655:GLY:H | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:655:GLY:HA2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:655:GLY:HA3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:655:GLY:N | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:655:GLY:O | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:C | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:CA | 15 | 1.26 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:CB | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:CD1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:CD2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:CE1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:CE2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:CG | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:CZ | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:H | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:HA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:HB2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:HB3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:HD1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:HD2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:HE1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:HE2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:HZ | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:N | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:O | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:C | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:CA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:CB | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:H | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:HA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:HB3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:N | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:O | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:O1P | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:O2P | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:O3P | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:OG | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:P | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:C | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:CA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:CB | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:CD1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:CD2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:CE1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:CE2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:CG | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:CZ | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:H | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:HA | 15 | 1.26 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:HB2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:HB3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:HD1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:HD2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:HE1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:HE2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:HH | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:N | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:O | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:OH | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:659:NH2:HN1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:659:NH2:HN2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:H | 2:B:659:NH2:N | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:648:ACE:C | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:648:ACE:CH3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:648:ACE:H1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:648:ACE:H2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:648:ACE:H3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:648:ACE:O | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:C | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:CA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:CB | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:CG | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:H | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:HA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:HB2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:HB3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:N | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:O | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:OD1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:OD2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:C | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:CA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:CB | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:CD | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:CG | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:H | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:HA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:HB2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:HB3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:HE21 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:HE22 | 15 | 1.26 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:HG2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:HG3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:N | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:NE2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:O | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:OE1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:C | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:CA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:CB | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:H | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:HA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:HB2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:HB3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:HG | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:N | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:O | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:OG | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:C | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:CA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:CB | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:CG | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:H | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:HA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:HB2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:HB3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:N | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:O | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:OD1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:OD2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:C | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:CA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:CB | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:CD1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:CD2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:CE1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:CE2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:CG | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:CZ | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:H | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:HA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:HB2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:HB3 | 15 | 1.26 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:HD1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:HD2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:HE1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:HE2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:HZ | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:N | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:O | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:C | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:CA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:CB | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:CD | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:CG | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:H | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:HA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:HB2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:HB3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:HG2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:HG3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:N | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:O | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:OE1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:OE2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:655:GLY:C | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:655:GLY:CA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:655:GLY:H | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:655:GLY:HA2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:655:GLY:HA3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:655:GLY:N | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:655:GLY:O | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:C | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:CA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:CB | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:CD1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:CD2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:CE1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:CE2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:CG | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:CZ | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:H | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:HA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:HB2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:HB3 | 15 | 1.26 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:HD1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:HD2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:HE1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:HE2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:HZ | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:N | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:O | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:C | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:CA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:CB | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:H | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:HA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:HB3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:N | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:O | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:O1P | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:O2P | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:O3P | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:OG | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:P | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:C | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:CA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:CB | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:CD1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:CD2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:CE1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:CE2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:CG | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:CZ | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:H | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:HA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:HB2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:HB3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:HD1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:HD2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:HE1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:HE2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:HH | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:N | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:O | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:OH | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:659:NH2:HN1 | 15 | 1.26 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HA | 2:B:659:NH2:HN2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HA | 2:B:659:NH2:N | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:648:ACE:C | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:648:ACE:CH3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:648:ACE:H1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:648:ACE:H2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:648:ACE:H3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:648:ACE:O | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:C | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:CA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:CB | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:CG | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:H | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:HA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:HB2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:HB3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:N | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:O | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:OD1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:OD2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:C | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:CA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:CB | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:CD | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:CG | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:H | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:HA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:HB2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:HB3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:HE21 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:HE22 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:HG2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:HG3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:N | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:NE2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:O | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:OE1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:C | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:CA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:CB | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:H | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:HA | 15 | 1.26 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:HB2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:HB3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:HG | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:N | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:O | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:OG | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:C | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:CA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:CB | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:CG | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:H | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:HA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:HB2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:HB3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:N | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:O | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:OD1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:OD2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:C | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:CA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:CB | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:CD1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:CD2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:CE1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:CE2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:CG | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:CZ | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:H | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:HA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:HB2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:HB3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:HD1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:HD2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:HE1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:HE2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:HZ | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:N | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:O | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:C | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:CA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:CB | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:CD | 15 | 1.26 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:CG | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:H | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:HA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:HB2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:HB3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:HG2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:HG3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:N | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:O | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:OE1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:OE2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:655:GLY:C | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:655:GLY:CA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:655:GLY:H | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:655:GLY:HA2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:655:GLY:HA3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:655:GLY:N | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:655:GLY:O | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:C | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:CA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:CB | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:CD1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:CD2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:CE1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:CE2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:CG | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:CZ | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:H | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:HA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:HB2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:HB3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:HD1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:HD2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:HE1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:HE2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:HZ | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:N | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:O | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:C | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:CA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:CB | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:H | 15 | 1.26 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:HA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:HB3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:N | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:O | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:O1P | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:O2P | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:O3P | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:OG | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:P | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:C | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:CA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:CB | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:CD1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:CD2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:CE1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:CE2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:CG | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:CZ | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:H | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:HA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:HB2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:HB3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:HD1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:HD2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:HE1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:HE2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:HH | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:N | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:O | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:OH | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:659:NH2:HN1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:659:NH2:HN2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:659:NH2:N | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:648:ACE:C | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:648:ACE:CH3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:648:ACE:H1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:648:ACE:H2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:648:ACE:H3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:648:ACE:O | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:C | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:CA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:CB | 15 | 1.26 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:CG | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:H | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:HA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:HB2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:HB3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:N | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:O | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:OD1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:OD2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:C | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:CA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:CB | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:CD | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:CG | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:H | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:HA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:HB2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:HB3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:HE21 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:HE22 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:HG2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:HG3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:N | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:NE2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:O | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:OE1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:C | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:CA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:CB | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:H | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:HA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:HB2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:HB3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:HG | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:N | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:O | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:OG | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:C | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:CA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:CB | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:CG | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:H | 15 | 1.26 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:HA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:HB2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:HB3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:N | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:O | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:OD1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:OD2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:C | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:CA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:CB | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:CD1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:CD2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:CE1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:CE2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:CG | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:CZ | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:H | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:HA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:HB2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:HB3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:HD1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:HD2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:HE1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:HE2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:HZ | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:N | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:O | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:C | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:CA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:CB | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:CD | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:CG | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:H | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:HA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:HB2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:HB3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:HG2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:HG3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:N | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:O | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:OE1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:OE2 | 15 | 1.26 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HB3 | 2:B:655:GLY:C | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:655:GLY:CA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:655:GLY:H | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:655:GLY:HA2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:655:GLY:HA3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:655:GLY:N | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:655:GLY:O | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:C | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:CA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:CB | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:CD1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:CD2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:CE1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:CE2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:CG | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:CZ | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:H | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:HA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:HB2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:HB3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:HD1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:HD2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:HE1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:HE2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:HZ | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:N | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:O | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:C | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:CA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:CB | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:H | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:HA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:HB3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:N | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:O | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:O1P | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:O2P | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:O3P | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:OG | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:P | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:C | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:CA | 15 | 1.26 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:CB | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:CD1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:CD2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:CE1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:CE2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:CG | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:CZ | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:H | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:HA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:HB2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:HB3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:HD1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:HD2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:HE1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:HE2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:HH | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:N | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:O | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:OH | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:659:NH2:HN1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:659:NH2:HN2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:659:NH2:N | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:648:ACE:C | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:648:ACE:CH3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:648:ACE:H1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:648:ACE:H2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:648:ACE:H3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:648:ACE:O | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:C | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:CA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:CB | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:CG | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:H | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:HA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:HB2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:HB3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:N | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:O | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:OD1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:OD2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:C | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:CA | 15 | 1.26 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:CB | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:CD | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:CG | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:H | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:HA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:HB2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:HB3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:HE21 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:HE22 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:HG2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:HG3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:N | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:NE2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:O | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:OE1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:C | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:CA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:CB | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:H | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:HA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:HB2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:HB3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:HG | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:N | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:O | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:OG | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:C | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:CA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:CB | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:CG | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:H | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:HA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:HB2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:HB3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:N | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:O | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:OD1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:OD2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:C | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:CA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:CB | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:CD1 | 15 | 1.26 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:CD2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:CE1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:CE2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:CG | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:CZ | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:H | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:HA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:HB2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:HB3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:HD1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:HD2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:HE1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:HE2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:HZ | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:N | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:O | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:C | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:CA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:CB | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:CD | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:CG | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:H | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:HA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:HB2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:HB3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:HG2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:HG3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:N | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:O | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:OE1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:OE2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:655:GLY:C | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:655:GLY:CA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:655:GLY:H | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:655:GLY:HA2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:655:GLY:HA3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:655:GLY:N | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:655:GLY:O | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:C | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:CA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:CB | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:CD1 | 15 | 1.26 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:CD2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:CE1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:CE2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:CG | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:CZ | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:H | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:HA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:HB2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:HB3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:HD1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:HD2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:HE1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:HE2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:HZ | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:N | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:O | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:C | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:CA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:CB | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:H | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:HA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:HB3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:N | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:O | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:O1P | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:O2P | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:O3P | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:OG | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:P | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:C | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:CA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:CB | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:CD1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:CD2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:CE1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:CE2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:CG | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:CZ | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:H | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:HA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:HB2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:HB3 | 15 | 1.26 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:HD1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:HD2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:HE1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:HE2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:HH | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:N | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:O | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:OH | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:659:NH2:HN1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:659:NH2:HN2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:659:NH2:N | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:648:ACE:C | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:648:ACE:CH3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:648:ACE:H1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:648:ACE:H2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:648:ACE:H3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:648:ACE:O | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:C | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:CA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:CB | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:CG | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:H | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:HA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:HB2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:HB3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:N | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:O | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:OD1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:OD2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:C | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:CA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:CB | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:CD | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:CG | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:H | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:HA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:HB2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:HB3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:HE21 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:HE22 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:HG2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:HG3 | 15 | 1.26 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:N | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:NE2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:O | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:OE1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:C | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:CA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:CB | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:H | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:HA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:HB2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:HB3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:HG | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:N | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:O | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:OG | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:C | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:CA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:CB | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:CG | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:H | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:HA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:HB2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:HB3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:N | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:O | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:OD1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:OD2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:C | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:CA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:CB | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:CD1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:CD2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:CE1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:CE2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:CG | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:CZ | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:H | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:HA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:HB2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:HB3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:HD1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:HD2 | 15 | 1.26 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:HE1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:HE2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:HZ | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:N | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:O | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:C | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:CA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:CB | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:CD | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:CG | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:H | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:HA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:HB2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:HB3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:HG2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:HG3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:N | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:O | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:OE1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:OE2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:655:GLY:C | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:655:GLY:CA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:655:GLY:H | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:655:GLY:HA2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:655:GLY:HA3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:655:GLY:N | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:655:GLY:O | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:C | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:CA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:CB | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:CD1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:CD2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:CE1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:CE2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:CG | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:CZ | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:H | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:HA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:HB2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:HB3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:HD1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:HD2 | 15 | 1.26 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:HE1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:HE2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:HZ | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:N | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:O | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:C | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:CA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:CB | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:H | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:HA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:HB3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:N | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:O | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:O1P | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:O2P | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:O3P | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:OG | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:P | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:C | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:CA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:CB | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:CD1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:CD2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:CE1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:CE2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:CG | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:CZ | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:H | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:HA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:HB2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:HB3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:HD1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:HD2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:HE1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:HE2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:HH | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:N | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:O | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:OH | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:659:NH2:HN1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:659:NH2:HN2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:659:NH2:N | 15 | 1.26 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:N | 2:B:648:ACE:C | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:648:ACE:CH3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:648:ACE:H1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:648:ACE:H2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:648:ACE:H3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:648:ACE:O | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:C | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:CA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:CB | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:CG | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:H | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:HA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:HB2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:HB3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:N | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:O | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:OD1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:OD2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:C | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:CA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:CB | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:CD | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:CG | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:H | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:HA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:HB2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:HB3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:HE21 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:HE22 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:HG2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:HG3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:N | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:NE2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:O | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:OE1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:C | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:CA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:CB | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:H | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:HA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:HB2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:HB3 | 15 | 1.26 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:HG | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:N | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:O | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:OG | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:C | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:CA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:CB | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:CG | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:H | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:HA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:HB2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:HB3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:N | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:O | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:OD1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:OD2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:C | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:CA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:CB | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:CD1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:CD2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:CE1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:CE2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:CG | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:CZ | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:H | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:HA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:HB2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:HB3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:HD1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:HD2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:HE1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:HE2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:HZ | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:N | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:O | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:C | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:CA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:CB | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:CD | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:CG | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:H | 15 | 1.26 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:HA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:HB2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:HB3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:HG2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:HG3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:N | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:O | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:OE1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:OE2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:655:GLY:C | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:655:GLY:CA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:655:GLY:H | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:655:GLY:HA2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:655:GLY:HA3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:655:GLY:N | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:655:GLY:O | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:C | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:CA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:CB | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:CD1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:CD2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:CE1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:CE2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:CG | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:CZ | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:H | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:HA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:HB2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:HB3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:HD1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:HD2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:HE1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:HE2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:HZ | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:N | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:O | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:C | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:CA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:CB | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:H | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:HA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:HB3 | 15 | 1.26 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:N | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:O | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:O1P | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:O2P | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:O3P | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:OG | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:P | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:C | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:CA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:CB | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:CD1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:CD2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:CE1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:CE2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:CG | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:CZ | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:H | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:HA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:HB2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:HB3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:HD1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:HD2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:HE1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:HE2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:HH | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:N | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:O | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:OH | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:659:NH2:HN1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:659:NH2:HN2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:N | 2:B:659:NH2:N | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:648:ACE:C | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:648:ACE:CH3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:648:ACE:H1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:648:ACE:H2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:648:ACE:H3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:648:ACE:O | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:C | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:CA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:CB | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:CG | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:H | 15 | 1.26 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:HA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:HB2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:HB3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:N | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:O | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:OD1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:OD2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:C | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:CA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:CB | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:CD | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:CG | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:H | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:HA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:HB2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:HB3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:HE21 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:HE22 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:HG2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:HG3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:N | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:NE2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:O | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:OE1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:C | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:CA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:CB | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:H | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:HA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:HB2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:HB3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:HG | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:N | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:O | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:OG | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:C | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:CA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:CB | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:CG | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:H | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:HA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:HB2 | 15 | 1.26 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:HB3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:N | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:O | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:OD1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:OD2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:C | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:CA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:CB | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:CD1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:CD2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:CE1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:CE2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:CG | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:CZ | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:H | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:HA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:HB2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:HB3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:HD1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:HD2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:HE1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:HE2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:HZ | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:N | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:O | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:C | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:CA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:CB | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:CD | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:CG | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:H | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:HA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:HB2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:HB3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:HG2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:HG3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:N | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:O | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:OE1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:OE2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:655:GLY:C | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:655:GLY:CA | 15 | 1.26 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:ND2 | 2:B:655:GLY:H | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:655:GLY:HA2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:655:GLY:HA3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:655:GLY:N | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:655:GLY:O | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:C | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:CA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:CB | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:CD1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:CD2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:CE1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:CE2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:CG | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:CZ | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:H | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:HA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:HB2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:HB3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:HD1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:HD2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:HE1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:HE2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:HZ | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:N | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:O | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:C | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:CA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:CB | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:H | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:HA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:HB3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:N | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:O | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:O1P | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:O2P | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:O3P | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:OG | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:P | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:C | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:CA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:CB | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:CD1 | 15 | 1.26 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:CD2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:CE1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:CE2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:CG | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:CZ | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:H | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:HA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:HB2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:HB3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:HD1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:HD2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:HE1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:HE2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:HH | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:N | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:O | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:OH | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:659:NH2:HN1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:659:NH2:HN2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:659:NH2:N | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:648:ACE:C | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:648:ACE:CH3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:648:ACE:H1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:648:ACE:H2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:648:ACE:H3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:648:ACE:O | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:C | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:CA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:CB | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:CG | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:H | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:HA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:HB2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:HB3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:N | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:O | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:OD1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:OD2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:C | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:CA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:CB | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:CD | 15 | 1.26 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:CG | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:H | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:HA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:HB2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:HB3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:HE21 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:HE22 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:HG2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:HG3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:N | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:NE2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:O | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:OE1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:C | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:CA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:CB | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:H | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:HA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:HB2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:HB3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:HG | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:N | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:O | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:OG | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:C | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:CA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:CB | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:CG | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:H | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:HA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:HB2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:HB3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:N | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:O | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:OD1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:OD2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:C | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:CA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:CB | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:CD1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:CD2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:CE1 | 15 | 1.26 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:CE2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:CG | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:CZ | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:H | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:HA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:HB2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:HB3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:HD1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:HD2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:HE1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:HE2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:HZ | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:N | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:O | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:C | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:CA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:CB | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:CD | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:CG | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:H | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:HA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:HB2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:HB3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:HG2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:HG3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:N | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:O | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:OE1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:OE2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:655:GLY:C | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:655:GLY:CA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:655:GLY:H | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:655:GLY:HA2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:655:GLY:HA3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:655:GLY:N | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:655:GLY:O | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:C | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:CA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:CB | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:CD1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:CD2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:CE1 | 15 | 1.26 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:CE2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:CG | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:CZ | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:H | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:HA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:HB2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:HB3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:HD1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:HD2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:HE1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:HE2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:HZ | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:N | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:O | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:C | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:CA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:CB | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:H | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:HA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:HB3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:N | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:O | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:O1P | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:O2P | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:O3P | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:OG | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:P | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:C | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:CA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:CB | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:CD1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:CD2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:CE1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:CE2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:CG | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:CZ | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:H | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:HA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:HB2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:HB3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:HD1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:HD2 | 15 | 1.26 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:HE1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:HE2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:HH | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:N | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:O | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:OH | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:659:NH2:HN1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:659:NH2:HN2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:O | 2:B:659:NH2:N | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:648:ACE:C | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:648:ACE:CH3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:648:ACE:H1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:648:ACE:H2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:648:ACE:H3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:648:ACE:O | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:C | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:CA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:CB | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:CG | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:H | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:HA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:HB2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:HB3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:N | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:O | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:OD1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:OD2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:C | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:CA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:CB | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:CD | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:CG | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:H | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:HA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:HB2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:HB3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:HE21 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:HE22 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:HG2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:HG3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:N | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:NE2 | 15 | 1.26 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:O | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:OE1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:C | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:CA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:CB | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:H | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:HA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:HB2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:HB3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:HG | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:N | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:O | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:OG | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:C | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:CA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:CB | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:CG | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:H | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:HA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:HB2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:HB3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:N | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:O | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:OD1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:OD2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:C | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:CA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:CB | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:CD1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:CD2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:CE1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:CE2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:CG | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:CZ | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:H | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:HA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:HB2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:HB3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:HD1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:HD2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:HE1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:HE2 | 15 | 1.26 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:HZ | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:N | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:O | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:C | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:CA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:CB | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:CD | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:CG | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:H | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:HA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:HB2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:HB3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:HG2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:HG3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:N | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:O | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:OE1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:OE2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:655:GLY:C | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:655:GLY:CA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:655:GLY:H | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:655:GLY:HA2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:655:GLY:HA3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:655:GLY:N | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:655:GLY:O | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:C | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:CA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:CB | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:CD1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:CD2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:CE1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:CE2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:CG | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:CZ | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:H | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:HA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:HB2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:HB3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:HD1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:HD2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:HE1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:HE2 | 15 | 1.26 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:HZ | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:N | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:O | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:C | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:CA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:CB | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:H | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:HA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:HB3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:N | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:O | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:O1P | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:O2P | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:O3P | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:OG | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:P | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:C | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:CA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:CB | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:CD1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:CD2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:CE1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:CE2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:CG | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:CZ | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:H | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:HA | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:HB2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:HB3 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:HD1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:HD2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:HE1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:HE2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:HH | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:N | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:O | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:OH | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:659:NH2:HN1 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:659:NH2:HN2 | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:659:NH2:N | 15 | 1.26 |
| (1,34) | 1:A:253:ASN:C | 2:B:648:ACE:C | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:C | 2:B:648:ACE:CH3 | 7 | 1.25 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:C | 2:B:648:ACE:H1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:C | 2:B:648:ACE:H2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:C | 2:B:648:ACE:H3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:C | 2:B:648:ACE:O | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:C | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:CA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:CB | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:CG | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:H | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:HA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:HB2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:HB3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:N | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:O | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:OD1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:OD2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:C | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:CA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:CB | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:CD | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:CG | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:H | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:HA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:HB2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:HB3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:HE21 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:HE22 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:HG2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:HG3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:N | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:NE2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:O | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:OE1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:C | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:CA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:CB | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:H | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:HA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:HB2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:HB3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:HG | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:N | 7 | 1.25 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:O | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:OG | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:C | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:CA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:CB | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:CG | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:H | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:HA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:HB2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:HB3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:N | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:O | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:OD1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:OD2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:C | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:CA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:CB | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:CD1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:CD2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:CE1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:CE2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:CG | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:CZ | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:H | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:HA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:HB2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:HB3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:HD1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:HD2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:HE1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:HE2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:HZ | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:N | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:O | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:C | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:CA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:CB | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:CD | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:CG | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:H | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:HA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:HB2 | 7 | 1.25 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:HB3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:HG2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:HG3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:N | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:O | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:OE1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:OE2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:C | 2:B:655:GLY:C | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:C | 2:B:655:GLY:CA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:C | 2:B:655:GLY:H | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:C | 2:B:655:GLY:HA2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:C | 2:B:655:GLY:HA3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:C | 2:B:655:GLY:N | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:C | 2:B:655:GLY:O | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:C | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:CA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:CB | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:CD1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:CD2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:CE1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:CE2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:CG | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:CZ | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:H | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:HA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:HB2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:HB3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:HD1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:HD2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:HE1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:HE2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:HZ | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:N | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:O | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:C | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:CA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:CB | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:H | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:HA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:HB3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:N | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:O | 7 | 1.25 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:O1P | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:O2P | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:O3P | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:OG | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:P | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:C | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:CA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:CB | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:CD1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:CD2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:CE1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:CE2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:CG | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:CZ | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:H | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:HA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:HB2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:HB3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:HD1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:HD2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:HE1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:HE2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:HH | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:N | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:O | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:OH | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:C | 2:B:659:NH2:HN1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:C | 2:B:659:NH2:HN2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:C | 2:B:659:NH2:N | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CA | 2:B:648:ACE:C | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CA | 2:B:648:ACE:CH3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CA | 2:B:648:ACE:H1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CA | 2:B:648:ACE:H2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CA | 2:B:648:ACE:H3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CA | 2:B:648:ACE:O | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:C | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:CA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:CB | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:CG | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:H | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:HA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:HB2 | 7 | 1.25 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:HB3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:N | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:O | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:OD1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:OD2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:C | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:CA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:CB | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:CD | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:CG | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:H | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:HA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:HB2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:HB3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:HE21 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:HE22 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:HG2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:HG3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:N | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:NE2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:O | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:OE1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:C | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:CA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:CB | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:H | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:HA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:HB2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:HB3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:HG | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:N | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:O | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:OG | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:C | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:CA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:CB | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:CG | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:H | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:HA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:HB2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:HB3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:N | 7 | 1.25 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:O | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:OD1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:OD2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:C | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:CA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:CB | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:CD1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:CD2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:CE1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:CE2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:CG | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:CZ | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:H | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:HA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:HB2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:HB3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:HD1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:HD2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:HE1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:HE2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:HZ | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:N | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:O | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:C | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:CA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:CB | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:CD | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:CG | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:H | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:HA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:HB2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:HB3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:HG2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:HG3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:N | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:O | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:OE1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:OE2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CA | 2:B:655:GLY:C | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CA | 2:B:655:GLY:CA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CA | 2:B:655:GLY:H | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CA | 2:B:655:GLY:HA2 | 7 | 1.25 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CA | 2:B:655:GLY:HA3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CA | 2:B:655:GLY:N | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CA | 2:B:655:GLY:O | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:C | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:CA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:CB | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:CD1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:CD2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:CE1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:CE2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:CG | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:CZ | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:H | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:HA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:HB2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:HB3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:HD1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:HD2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:HE1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:HE2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:HZ | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:N | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:O | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:C | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:CA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:CB | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:H | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:HA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:HB3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:N | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:O | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:O1P | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:O2P | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:O3P | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:OG | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:P | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:C | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:CA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:CB | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:CD1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:CD2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:CE1 | 7 | 1.25 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:CE2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:CG | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:CZ | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:H | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:HA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:HB2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:HB3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:HD1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:HD2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:HE1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:HE2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:HH | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:N | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:O | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:OH | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CA | 2:B:659:NH2:HN1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CA | 2:B:659:NH2:HN2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CA | 2:B:659:NH2:N | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CB | 2:B:648:ACE:C | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CB | 2:B:648:ACE:CH3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CB | 2:B:648:ACE:H1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CB | 2:B:648:ACE:H2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CB | 2:B:648:ACE:H3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CB | 2:B:648:ACE:O | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:C | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:CA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:CB | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:CG | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:H | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:HA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:HB2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:HB3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:N | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:O | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:OD1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:OD2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:C | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:CA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:CB | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:CD | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:CG | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:H | 7 | 1.25 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:HA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:HB2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:HB3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:HE21 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:HE22 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:HG2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:HG3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:N | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:NE2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:O | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:OE1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:C | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:CA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:CB | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:H | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:HA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:HB2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:HB3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:HG | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:N | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:O | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:OG | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:C | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:CA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:CB | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:CG | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:H | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:HA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:HB2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:HB3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:N | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:O | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:OD1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:OD2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:C | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:CA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:CB | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:CD1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:CD2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:CE1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:CE2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:CG | 7 | 1.25 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:CZ | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:H | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:HA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:HB2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:HB3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:HD1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:HD2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:HE1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:HE2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:HZ | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:N | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:O | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:C | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:CA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:CB | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:CD | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:CG | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:H | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:HA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:HB2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:HB3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:HG2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:HG3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:N | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:O | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:OE1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:OE2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CB | 2:B:655:GLY:C | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CB | 2:B:655:GLY:CA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CB | 2:B:655:GLY:H | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CB | 2:B:655:GLY:HA2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CB | 2:B:655:GLY:HA3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CB | 2:B:655:GLY:N | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CB | 2:B:655:GLY:O | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:C | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:CA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:CB | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:CD1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:CD2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:CE1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:CE2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:CG | 7 | 1.25 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:CZ | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:H | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:HA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:HB2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:HB3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:HD1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:HD2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:HE1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:HE2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:HZ | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:N | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:O | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:C | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:CA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:CB | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:H | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:HA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:HB3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:N | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:O | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:O1P | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:O2P | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:O3P | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:OG | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:P | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:C | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:CA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:CB | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:CD1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:CD2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:CE1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:CE2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:CG | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:CZ | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:H | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:HA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:HB2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:HB3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:HD1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:HD2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:HE1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:HE2 | 7 | 1.25 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:HH | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:N | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:O | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:OH | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CB | 2:B:659:NH2:HN1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CB | 2:B:659:NH2:HN2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CB | 2:B:659:NH2:N | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CG | 2:B:648:ACE:C | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CG | 2:B:648:ACE:CH3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CG | 2:B:648:ACE:H1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CG | 2:B:648:ACE:H2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CG | 2:B:648:ACE:H3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CG | 2:B:648:ACE:O | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:C | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:CA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:CB | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:CG | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:H | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:HA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:HB2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:HB3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:N | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:O | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:OD1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:OD2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:C | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:CA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:CB | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:CD | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:CG | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:H | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:HA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:HB2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:HB3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:HE21 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:HE22 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:HG2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:HG3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:N | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:NE2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:O | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:OE1 | 7 | 1.25 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:C | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:CA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:CB | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:H | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:HA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:HB2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:HB3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:HG | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:N | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:O | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:OG | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:C | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:CA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:CB | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:CG | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:H | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:HA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:HB2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:HB3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:N | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:O | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:OD1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:OD2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:C | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:CA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:CB | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:CD1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:CD2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:CE1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:CE2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:CG | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:CZ | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:H | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:HA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:HB2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:HB3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:HD1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:HD2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:HE1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:HE2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:HZ | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:N | 7 | 1.25 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:O | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:C | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:CA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:CB | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:CD | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:CG | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:H | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:HA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:HB2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:HB3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:HG2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:HG3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:N | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:O | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:OE1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:OE2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CG | 2:B:655:GLY:C | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CG | 2:B:655:GLY:CA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CG | 2:B:655:GLY:H | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CG | 2:B:655:GLY:HA2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CG | 2:B:655:GLY:HA3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CG | 2:B:655:GLY:N | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CG | 2:B:655:GLY:O | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:C | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:CA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:CB | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:CD1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:CD2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:CE1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:CE2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:CG | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:CZ | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:H | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:HA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:HB2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:HB3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:HD1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:HD2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:HE1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:HE2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:HZ | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:N | 7 | 1.25 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:O | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:C | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:CA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:CB | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:H | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:HA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:HB3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:N | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:O | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:O1P | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:O2P | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:O3P | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:OG | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:P | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:C | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:CA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:CB | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:CD1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:CD2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:CE1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:CE2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:CG | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:CZ | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:H | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:HA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:HB2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:HB3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:HD1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:HD2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:HE1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:HE2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:HH | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:N | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:O | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:OH | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CG | 2:B:659:NH2:HN1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CG | 2:B:659:NH2:HN2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:CG | 2:B:659:NH2:N | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:H | 2:B:648:ACE:C | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:H | 2:B:648:ACE:CH3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:H | 2:B:648:ACE:H1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:H | 2:B:648:ACE:H2 | 7 | 1.25 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:H | 2:B:648:ACE:H3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:H | 2:B:648:ACE:O | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:C | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:CA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:CB | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:CG | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:H | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:HA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:HB2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:HB3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:N | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:O | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:OD1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:OD2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:C | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:CA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:CB | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:CD | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:CG | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:H | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:HA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:HB2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:HB3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:HE21 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:HE22 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:HG2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:HG3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:N | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:NE2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:O | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:OE1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:C | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:CA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:CB | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:H | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:HA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:HB2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:HB3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:HG | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:N | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:O | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:OG | 7 | 1.25 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:C | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:CA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:CB | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:CG | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:H | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:HA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:HB2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:HB3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:N | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:O | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:OD1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:OD2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:C | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:CA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:CB | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:CD1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:CD2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:CE1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:CE2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:CG | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:CZ | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:H | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:HA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:HB2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:HB3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:HD1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:HD2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:HE1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:HE2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:HZ | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:N | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:O | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:C | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:CA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:CB | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:CD | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:CG | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:H | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:HA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:HB2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:HB3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:HG2 | 7 | 1.25 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:HG3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:N | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:O | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:OE1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:OE2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:H | 2:B:655:GLY:C | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:H | 2:B:655:GLY:CA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:H | 2:B:655:GLY:H | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:H | 2:B:655:GLY:HA2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:H | 2:B:655:GLY:HA3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:H | 2:B:655:GLY:N | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:H | 2:B:655:GLY:O | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:C | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:CA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:CB | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:CD1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:CD2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:CE1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:CE2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:CG | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:CZ | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:H | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:HA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:HB2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:HB3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:HD1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:HD2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:HE1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:HE2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:HZ | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:N | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:O | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:C | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:CA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:CB | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:H | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:HA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:HB3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:N | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:O | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:O1P | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:O2P | 7 | 1.25 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:O3P | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:OG | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:P | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:C | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:CA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:CB | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:CD1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:CD2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:CE1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:CE2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:CG | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:CZ | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:H | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:HA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:HB2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:HB3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:HD1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:HD2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:HE1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:HE2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:HH | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:N | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:O | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:OH | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:H | 2:B:659:NH2:HN1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:H | 2:B:659:NH2:HN2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:H | 2:B:659:NH2:N | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HA | 2:B:648:ACE:C | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HA | 2:B:648:ACE:CH3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HA | 2:B:648:ACE:H1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HA | 2:B:648:ACE:H2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HA | 2:B:648:ACE:H3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HA | 2:B:648:ACE:O | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:C | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:CA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:CB | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:CG | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:H | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:HA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:HB2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:HB3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:N | 7 | 1.25 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:O | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:OD1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:OD2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:C | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:CA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:CB | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:CD | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:CG | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:H | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:HA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:HB2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:HB3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:HE21 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:HE22 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:HG2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:HG3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:N | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:NE2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:O | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:OE1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:C | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:CA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:CB | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:H | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:HA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:HB2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:HB3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:HG | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:N | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:O | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:OG | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:C | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:CA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:CB | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:CG | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:H | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:HA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:HB2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:HB3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:N | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:O | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:OD1 | 7 | 1.25 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:OD2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:C | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:CA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:CB | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:CD1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:CD2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:CE1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:CE2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:CG | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:CZ | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:H | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:HA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:HB2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:HB3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:HD1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:HD2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:HE1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:HE2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:HZ | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:N | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:O | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:C | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:CA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:CB | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:CD | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:CG | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:H | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:HA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:HB2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:HB3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:HG2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:HG3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:N | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:O | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:OE1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:OE2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HA | 2:B:655:GLY:C | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HA | 2:B:655:GLY:CA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HA | 2:B:655:GLY:H | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HA | 2:B:655:GLY:HA2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HA | 2:B:655:GLY:HA3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HA | 2:B:655:GLY:N | 7 | 1.25 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HA | 2:B:655:GLY:O | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:C | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:CA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:CB | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:CD1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:CD2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:CE1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:CE2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:CG | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:CZ | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:H | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:HA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:HB2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:HB3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:HD1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:HD2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:HE1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:HE2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:HZ | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:N | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:O | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:C | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:CA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:CB | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:H | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:HA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:HB3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:N | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:O | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:O1P | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:O2P | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:O3P | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:OG | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:P | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:C | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:CA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:CB | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:CD1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:CD2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:CE1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:CE2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:CG | 7 | 1.25 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:CZ | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:H | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:HA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:HB2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:HB3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:HD1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:HD2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:HE1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:HE2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:HH | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:N | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:O | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:OH | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HA | 2:B:659:NH2:HN1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HA | 2:B:659:NH2:HN2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HA | 2:B:659:NH2:N | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:648:ACE:C | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:648:ACE:CH3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:648:ACE:H1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:648:ACE:H2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:648:ACE:H3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:648:ACE:O | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:C | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:CA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:CB | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:CG | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:H | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:HA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:HB2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:HB3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:N | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:O | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:OD1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:OD2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:C | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:CA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:CB | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:CD | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:CG | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:H | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:HA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:HB2 | 7 | 1.25 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:HB3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:HE21 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:HE22 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:HG2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:HG3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:N | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:NE2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:O | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:OE1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:C | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:CA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:CB | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:H | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:HA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:HB2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:HB3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:HG | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:N | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:O | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:OG | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:C | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:CA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:CB | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:CG | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:H | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:HA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:HB2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:HB3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:N | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:O | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:OD1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:OD2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:C | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:CA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:CB | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:CD1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:CD2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:CE1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:CE2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:CG | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:CZ | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:H | 7 | 1.25 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:HA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:HB2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:HB3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:HD1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:HD2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:HE1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:HE2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:HZ | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:N | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:O | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:C | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:CA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:CB | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:CD | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:CG | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:H | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:HA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:HB2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:HB3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:HG2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:HG3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:N | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:O | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:OE1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:OE2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:655:GLY:C | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:655:GLY:CA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:655:GLY:H | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:655:GLY:HA2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:655:GLY:HA3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:655:GLY:N | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:655:GLY:O | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:C | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:CA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:CB | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:CD1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:CD2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:CE1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:CE2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:CG | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:CZ | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:H | 7 | 1.25 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:HA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:HB2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:HB3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:HD1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:HD2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:HE1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:HE2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:HZ | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:N | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:O | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:C | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:CA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:CB | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:H | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:HA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:HB3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:N | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:O | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:O1P | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:O2P | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:O3P | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:OG | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:P | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:C | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:CA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:CB | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:CD1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:CD2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:CE1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:CE2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:CG | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:CZ | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:H | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:HA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:HB2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:HB3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:HD1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:HD2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:HE1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:HE2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:HH | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:N | 7 | 1.25 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:O | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:OH | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:659:NH2:HN1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:659:NH2:HN2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:659:NH2:N | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:648:ACE:C | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:648:ACE:CH3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:648:ACE:H1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:648:ACE:H2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:648:ACE:H3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:648:ACE:O | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:C | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:CA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:CB | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:CG | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:H | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:HA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:HB2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:HB3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:N | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:O | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:OD1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:OD2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:C | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:CA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:CB | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:CD | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:CG | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:H | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:HA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:HB2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:HB3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:HE21 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:HE22 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:HG2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:HG3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:N | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:NE2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:O | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:OE1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:C | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:CA | 7 | 1.25 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:CB | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:H | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:HA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:HB2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:HB3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:HG | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:N | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:O | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:OG | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:C | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:CA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:CB | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:CG | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:H | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:HA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:HB2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:HB3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:N | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:O | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:OD1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:OD2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:C | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:CA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:CB | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:CD1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:CD2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:CE1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:CE2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:CG | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:CZ | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:H | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:HA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:HB2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:HB3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:HD1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:HD2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:HE1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:HE2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:HZ | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:N | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:O | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:C | 7 | 1.25 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:CA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:CB | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:CD | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:CG | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:H | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:HA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:HB2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:HB3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:HG2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:HG3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:N | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:O | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:OE1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:OE2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:655:GLY:C | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:655:GLY:CA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:655:GLY:H | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:655:GLY:HA2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:655:GLY:HA3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:655:GLY:N | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:655:GLY:O | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:C | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:CA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:CB | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:CD1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:CD2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:CE1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:CE2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:CG | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:CZ | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:H | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:HA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:HB2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:HB3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:HD1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:HD2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:HE1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:HE2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:HZ | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:N | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:O | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:C | 7 | 1.25 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:CA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:CB | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:H | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:HA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:HB3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:N | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:O | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:O1P | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:O2P | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:O3P | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:OG | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:P | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:C | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:CA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:CB | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:CD1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:CD2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:CE1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:CE2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:CG | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:CZ | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:H | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:HA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:HB2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:HB3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:HD1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:HD2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:HE1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:HE2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:HH | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:N | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:O | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:OH | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:659:NH2:HN1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:659:NH2:HN2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:659:NH2:N | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:648:ACE:C | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:648:ACE:CH3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:648:ACE:H1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:648:ACE:H2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:648:ACE:H3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:648:ACE:O | 7 | 1.25 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:C | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:CA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:CB | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:CG | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:H | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:HA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:HB2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:HB3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:N | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:O | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:OD1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:OD2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:C | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:CA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:CB | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:CD | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:CG | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:H | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:HA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:HB2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:HB3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:HE21 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:HE22 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:HG2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:HG3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:N | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:NE2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:O | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:OE1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:C | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:CA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:CB | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:H | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:HA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:HB2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:HB3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:HG | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:N | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:O | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:OG | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:C | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:CA | 7 | 1.25 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:CB | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:CG | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:H | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:HA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:HB2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:HB3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:N | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:O | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:OD1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:OD2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:C | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:CA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:CB | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:CD1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:CD2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:CE1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:CE2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:CG | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:CZ | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:H | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:HA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:HB2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:HB3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:HD1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:HD2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:HE1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:HE2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:HZ | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:N | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:O | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:C | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:CA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:CB | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:CD | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:CG | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:H | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:HA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:HB2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:HB3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:HG2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:HG3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:N | 7 | 1.25 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:O | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:OE1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:OE2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:655:GLY:C | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:655:GLY:CA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:655:GLY:H | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:655:GLY:HA2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:655:GLY:HA3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:655:GLY:N | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:655:GLY:O | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:C | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:CA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:CB | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:CD1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:CD2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:CE1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:CE2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:CG | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:CZ | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:H | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:HA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:HB2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:HB3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:HD1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:HD2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:HE1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:HE2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:HZ | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:N | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:O | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:C | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:CA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:CB | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:H | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:HA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:HB3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:N | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:O | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:O1P | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:O2P | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:O3P | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:OG | 7 | 1.25 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:P | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:C | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:CA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:CB | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:CD1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:CD2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:CE1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:CE2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:CG | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:CZ | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:H | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:HA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:HB2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:HB3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:HD1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:HD2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:HE1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:HE2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:HH | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:N | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:O | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:OH | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:659:NH2:HN1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:659:NH2:HN2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:659:NH2:N | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:648:ACE:C | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:648:ACE:CH3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:648:ACE:H1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:648:ACE:H2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:648:ACE:H3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:648:ACE:O | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:C | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:CA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:CB | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:CG | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:H | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:HA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:HB2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:HB3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:N | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:O | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:OD1 | 7 | 1.25 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:OD2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:C | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:CA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:CB | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:CD | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:CG | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:H | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:HA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:HB2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:HB3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:HE21 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:HE22 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:HG2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:HG3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:N | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:NE2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:O | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:OE1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:C | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:CA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:CB | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:H | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:HA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:HB2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:HB3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:HG | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:N | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:O | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:OG | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:C | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:CA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:CB | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:CG | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:H | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:HA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:HB2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:HB3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:N | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:O | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:OD1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:OD2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:C | 7 | 1.25 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:CA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:CB | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:CD1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:CD2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:CE1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:CE2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:CG | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:CZ | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:H | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:HA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:HB2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:HB3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:HD1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:HD2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:HE1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:HE2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:HZ | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:N | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:O | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:C | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:CA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:CB | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:CD | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:CG | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:H | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:HA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:HB2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:HB3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:HG2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:HG3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:N | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:O | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:OE1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:OE2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:655:GLY:C | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:655:GLY:CA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:655:GLY:H | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:655:GLY:HA2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:655:GLY:HA3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:655:GLY:N | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:655:GLY:O | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:C | 7 | 1.25 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:CA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:CB | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:CD1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:CD2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:CE1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:CE2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:CG | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:CZ | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:H | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:HA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:HB2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:HB3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:HD1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:HD2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:HE1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:HE2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:HZ | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:N | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:O | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:C | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:CA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:CB | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:H | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:HA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:HB3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:N | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:O | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:O1P | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:O2P | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:O3P | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:OG | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:P | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:C | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:CA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:CB | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:CD1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:CD2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:CE1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:CE2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:CG | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:CZ | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:H | 7 | 1.25 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:HA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:HB2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:HB3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:HD1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:HD2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:HE1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:HE2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:HH | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:N | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:O | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:OH | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:659:NH2:HN1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:659:NH2:HN2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:659:NH2:N | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:N | 2:B:648:ACE:C | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:N | 2:B:648:ACE:CH3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:N | 2:B:648:ACE:H1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:N | 2:B:648:ACE:H2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:N | 2:B:648:ACE:H3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:N | 2:B:648:ACE:O | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:C | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:CA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:CB | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:CG | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:H | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:HA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:HB2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:HB3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:N | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:O | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:OD1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:OD2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:C | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:CA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:CB | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:CD | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:CG | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:H | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:HA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:HB2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:HB3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:HE21 | 7 | 1.25 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:HE22 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:HG2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:HG3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:N | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:NE2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:O | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:OE1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:C | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:CA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:CB | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:H | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:HA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:HB2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:HB3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:HG | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:N | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:O | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:OG | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:C | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:CA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:CB | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:CG | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:H | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:HA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:HB2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:HB3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:N | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:O | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:OD1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:OD2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:C | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:CA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:CB | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:CD1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:CD2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:CE1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:CE2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:CG | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:CZ | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:H | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:HA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:HB2 | 7 | 1.25 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:HB3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:HD1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:HD2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:HE1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:HE2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:HZ | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:N | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:O | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:C | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:CA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:CB | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:CD | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:CG | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:H | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:HA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:HB2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:HB3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:HG2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:HG3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:N | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:O | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:OE1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:OE2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:N | 2:B:655:GLY:C | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:N | 2:B:655:GLY:CA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:N | 2:B:655:GLY:H | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:N | 2:B:655:GLY:HA2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:N | 2:B:655:GLY:HA3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:N | 2:B:655:GLY:N | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:N | 2:B:655:GLY:O | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:C | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:CA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:CB | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:CD1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:CD2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:CE1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:CE2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:CG | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:CZ | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:H | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:HA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:HB2 | 7 | 1.25 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:HB3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:HD1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:HD2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:HE1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:HE2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:HZ | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:N | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:O | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:C | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:CA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:CB | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:H | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:HA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:HB3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:N | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:O | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:O1P | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:O2P | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:O3P | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:OG | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:P | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:C | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:CA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:CB | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:CD1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:CD2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:CE1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:CE2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:CG | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:CZ | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:H | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:HA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:HB2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:HB3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:HD1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:HD2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:HE1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:HE2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:HH | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:N | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:O | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:OH | 7 | 1.25 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:N | 2:B:659:NH2:HN1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:N | 2:B:659:NH2:HN2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:N | 2:B:659:NH2:N | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:648:ACE:C | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:648:ACE:CH3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:648:ACE:H1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:648:ACE:H2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:648:ACE:H3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:648:ACE:O | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:C | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:CA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:CB | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:CG | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:H | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:HA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:HB2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:HB3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:N | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:O | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:OD1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:OD2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:C | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:CA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:CB | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:CD | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:CG | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:H | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:HA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:HB2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:HB3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:HE21 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:HE22 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:HG2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:HG3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:N | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:NE2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:O | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:OE1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:C | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:CA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:CB | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:H | 7 | 1.25 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:HA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:HB2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:HB3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:HG | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:N | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:O | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:OG | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:C | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:CA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:CB | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:CG | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:H | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:HA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:HB2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:HB3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:N | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:O | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:OD1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:OD2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:C | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:CA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:CB | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:CD1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:CD2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:CE1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:CE2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:CG | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:CZ | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:H | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:HA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:HB2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:HB3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:HD1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:HD2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:HE1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:HE2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:HZ | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:N | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:O | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:C | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:CA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:CB | 7 | 1.25 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:CD | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:CG | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:H | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:HA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:HB2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:HB3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:HG2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:HG3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:N | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:O | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:OE1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:OE2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:655:GLY:C | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:655:GLY:CA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:655:GLY:H | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:655:GLY:HA2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:655:GLY:HA3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:655:GLY:N | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:655:GLY:O | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:C | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:CA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:CB | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:CD1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:CD2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:CE1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:CE2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:CG | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:CZ | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:H | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:HA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:HB2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:HB3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:HD1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:HD2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:HE1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:HE2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:HZ | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:N | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:O | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:C | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:CA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:CB | 7 | 1.25 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:H | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:HA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:HB3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:N | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:O | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:O1P | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:O2P | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:O3P | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:OG | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:P | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:C | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:CA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:CB | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:CD1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:CD2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:CE1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:CE2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:CG | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:CZ | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:H | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:HA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:HB2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:HB3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:HD1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:HD2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:HE1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:HE2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:HH | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:N | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:O | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:OH | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:659:NH2:HN1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:659:NH2:HN2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:659:NH2:N | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:O | 2:B:648:ACE:C | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:O | 2:B:648:ACE:CH3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:O | 2:B:648:ACE:H1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:O | 2:B:648:ACE:H2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:O | 2:B:648:ACE:H3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:O | 2:B:648:ACE:O | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:C | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:CA | 7 | 1.25 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:CB | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:CG | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:H | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:HA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:HB2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:HB3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:N | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:O | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:OD1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:OD2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:C | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:CA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:CB | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:CD | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:CG | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:H | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:HA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:HB2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:HB3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:HE21 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:HE22 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:HG2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:HG3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:N | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:NE2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:O | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:OE1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:C | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:CA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:CB | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:H | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:HA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:HB2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:HB3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:HG | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:N | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:O | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:OG | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:C | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:CA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:CB | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:CG | 7 | 1.25 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:H | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:HA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:HB2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:HB3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:N | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:O | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:OD1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:OD2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:C | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:CA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:CB | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:CD1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:CD2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:CE1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:CE2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:CG | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:CZ | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:H | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:HA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:HB2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:HB3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:HD1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:HD2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:HE1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:HE2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:HZ | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:N | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:O | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:C | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:CA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:CB | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:CD | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:CG | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:H | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:HA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:HB2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:HB3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:HG2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:HG3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:N | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:O | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:OE1 | 7 | 1.25 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:OE2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:O | 2:B:655:GLY:C | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:O | 2:B:655:GLY:CA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:O | 2:B:655:GLY:H | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:O | 2:B:655:GLY:HA2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:O | 2:B:655:GLY:HA3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:O | 2:B:655:GLY:N | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:O | 2:B:655:GLY:O | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:C | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:CA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:CB | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:CD1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:CD2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:CE1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:CE2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:CG | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:CZ | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:H | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:HA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:HB2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:HB3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:HD1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:HD2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:HE1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:HE2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:HZ | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:N | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:O | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:C | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:CA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:CB | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:H | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:HA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:HB3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:N | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:O | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:O1P | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:O2P | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:O3P | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:OG | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:P | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:C | 7 | 1.25 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:CA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:CB | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:CD1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:CD2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:CE1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:CE2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:CG | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:CZ | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:H | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:HA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:HB2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:HB3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:HD1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:HD2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:HE1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:HE2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:HH | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:N | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:O | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:OH | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:O | 2:B:659:NH2:HN1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:O | 2:B:659:NH2:HN2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:O | 2:B:659:NH2:N | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:648:ACE:C | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:648:ACE:CH3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:648:ACE:H1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:648:ACE:H2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:648:ACE:H3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:648:ACE:O | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:C | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:CA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:CB | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:CG | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:H | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:HA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:HB2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:HB3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:N | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:O | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:OD1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:OD2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:C | 7 | 1.25 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:CA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:CB | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:CD | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:CG | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:H | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:HA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:HB2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:HB3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:HE21 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:HE22 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:HG2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:HG3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:N | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:NE2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:O | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:OE1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:C | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:CA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:CB | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:H | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:HA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:HB2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:HB3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:HG | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:N | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:O | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:OG | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:C | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:CA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:CB | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:CG | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:H | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:HA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:HB2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:HB3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:N | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:O | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:OD1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:OD2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:C | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:CA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:CB | 7 | 1.25 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:CD1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:CD2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:CE1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:CE2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:CG | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:CZ | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:H | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:HA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:HB2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:HB3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:HD1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:HD2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:HE1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:HE2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:HZ | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:N | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:O | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:C | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:CA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:CB | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:CD | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:CG | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:H | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:HA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:HB2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:HB3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:HG2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:HG3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:N | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:O | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:OE1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:OE2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:655:GLY:C | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:655:GLY:CA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:655:GLY:H | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:655:GLY:HA2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:655:GLY:HA3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:655:GLY:N | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:655:GLY:O | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:C | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:CA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:CB | 7 | 1.25 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:CD1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:CD2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:CE1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:CE2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:CG | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:CZ | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:H | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:HA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:HB2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:HB3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:HD1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:HD2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:HE1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:HE2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:HZ | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:N | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:O | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:C | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:CA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:CB | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:H | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:HA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:HB3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:N | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:O | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:O1P | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:O2P | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:O3P | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:OG | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:P | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:C | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:CA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:CB | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:CD1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:CD2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:CE1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:CE2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:CG | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:CZ | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:H | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:HA | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:HB2 | 7 | 1.25 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:HB3 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:HD1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:HD2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:HE1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:HE2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:HH | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:N | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:O | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:OH | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:659:NH2:HN1 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:659:NH2:HN2 | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:659:NH2:N | 7 | 1.25 |
| (1,34) | 1:A:253:ASN:C | 2:B:648:ACE:C | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:C | 2:B:648:ACE:CH3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:C | 2:B:648:ACE:H1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:C | 2:B:648:ACE:H2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:C | 2:B:648:ACE:H3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:C | 2:B:648:ACE:O | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:C | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:CA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:CB | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:CG | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:H | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:HA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:HB2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:HB3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:N | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:O | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:OD1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:OD2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:C | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:CA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:CB | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:CD | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:CG | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:H | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:HA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:HB2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:HB3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:HE21 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:HE22 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:HG2 | 18 | 1.24 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:HG3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:N | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:NE2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:O | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:OE1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:C | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:CA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:CB | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:H | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:HA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:HB2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:HB3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:HG | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:N | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:O | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:OG | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:C | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:CA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:CB | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:CG | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:H | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:HA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:HB2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:HB3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:N | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:O | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:OD1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:OD2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:C | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:CA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:CB | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:CD1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:CD2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:CE1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:CE2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:CG | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:CZ | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:H | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:HA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:HB2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:HB3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:HD1 | 18 | 1.24 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:HD2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:HE1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:HE2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:HZ | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:N | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:O | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:C | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:CA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:CB | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:CD | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:CG | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:H | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:HA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:HB2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:HB3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:HG2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:HG3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:N | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:O | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:OE1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:OE2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:C | 2:B:655:GLY:C | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:C | 2:B:655:GLY:CA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:C | 2:B:655:GLY:H | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:C | 2:B:655:GLY:HA2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:C | 2:B:655:GLY:HA3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:C | 2:B:655:GLY:N | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:C | 2:B:655:GLY:O | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:C | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:CA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:CB | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:CD1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:CD2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:CE1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:CE2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:CG | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:CZ | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:H | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:HA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:HB2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:HB3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:HD1 | 18 | 1.24 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:HD2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:HE1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:HE2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:HZ | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:N | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:O | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:C | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:CA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:CB | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:H | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:HA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:HB3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:N | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:O | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:O1P | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:O2P | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:O3P | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:OG | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:P | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:C | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:CA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:CB | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:CD1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:CD2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:CE1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:CE2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:CG | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:CZ | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:H | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:HA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:HB2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:HB3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:HD1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:HD2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:HE1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:HE2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:HH | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:N | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:O | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:OH | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:C | 2:B:659:NH2:HN1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:C | 2:B:659:NH2:HN2 | 18 | 1.24 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:C | 2:B:659:NH2:N | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CA | 2:B:648:ACE:C | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CA | 2:B:648:ACE:CH3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CA | 2:B:648:ACE:H1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CA | 2:B:648:ACE:H2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CA | 2:B:648:ACE:H3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CA | 2:B:648:ACE:O | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:C | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:CA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:CB | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:CG | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:H | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:HA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:HB2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:HB3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:N | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:O | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:OD1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:OD2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:C | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:CA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:CB | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:CD | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:CG | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:H | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:HA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:HB2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:HB3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:HE21 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:HE22 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:HG2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:HG3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:N | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:NE2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:O | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:OE1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:C | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:CA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:CB | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:H | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:HA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:HB2 | 18 | 1.24 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:HB3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:HG | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:N | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:O | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:OG | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:C | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:CA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:CB | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:CG | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:H | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:HA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:HB2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:HB3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:N | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:O | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:OD1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:OD2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:C | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:CA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:CB | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:CD1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:CD2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:CE1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:CE2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:CG | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:CZ | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:H | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:HA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:HB2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:HB3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:HD1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:HD2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:HE1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:HE2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:HZ | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:N | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:O | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:C | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:CA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:CB | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:CD | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:CG | 18 | 1.24 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:H | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:HA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:HB2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:HB3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:HG2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:HG3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:N | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:O | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:OE1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:OE2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CA | 2:B:655:GLY:C | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CA | 2:B:655:GLY:CA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CA | 2:B:655:GLY:H | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CA | 2:B:655:GLY:HA2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CA | 2:B:655:GLY:HA3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CA | 2:B:655:GLY:N | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CA | 2:B:655:GLY:O | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:C | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:CA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:CB | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:CD1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:CD2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:CE1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:CE2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:CG | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:CZ | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:H | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:HA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:HB2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:HB3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:HD1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:HD2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:HE1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:HE2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:HZ | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:N | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:O | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:C | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:CA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:CB | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:H | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:HA | 18 | 1.24 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:HB3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:N | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:O | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:O1P | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:O2P | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:O3P | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:OG | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:P | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:C | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:CA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:CB | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:CD1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:CD2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:CE1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:CE2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:CG | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:CZ | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:H | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:HA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:HB2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:HB3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:HD1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:HD2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:HE1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:HE2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:HH | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:N | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:O | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:OH | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CA | 2:B:659:NH2:HN1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CA | 2:B:659:NH2:HN2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CA | 2:B:659:NH2:N | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CB | 2:B:648:ACE:C | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CB | 2:B:648:ACE:CH3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CB | 2:B:648:ACE:H1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CB | 2:B:648:ACE:H2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CB | 2:B:648:ACE:H3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CB | 2:B:648:ACE:O | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:C | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:CA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:CB | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:CG | 18 | 1.24 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:H | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:HA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:HB2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:HB3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:N | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:O | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:OD1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:OD2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:C | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:CA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:CB | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:CD | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:CG | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:H | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:HA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:HB2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:HB3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:HE21 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:HE22 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:HG2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:HG3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:N | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:NE2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:O | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:OE1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:C | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:CA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:CB | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:H | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:HA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:HB2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:HB3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:HG | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:N | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:O | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:OG | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:C | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:CA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:CB | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:CG | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:H | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:HA | 18 | 1.24 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:HB2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:HB3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:N | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:O | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:OD1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:OD2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:C | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:CA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:CB | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:CD1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:CD2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:CE1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:CE2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:CG | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:CZ | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:H | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:HA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:HB2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:HB3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:HD1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:HD2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:HE1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:HE2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:HZ | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:N | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:O | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:C | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:CA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:CB | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:CD | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:CG | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:H | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:HA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:HB2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:HB3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:HG2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:HG3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:N | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:O | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:OE1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:OE2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CB | 2:B:655:GLY:C | 18 | 1.24 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CB | 2:B:655:GLY:CA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CB | 2:B:655:GLY:H | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CB | 2:B:655:GLY:HA2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CB | 2:B:655:GLY:HA3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CB | 2:B:655:GLY:N | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CB | 2:B:655:GLY:O | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:C | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:CA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:CB | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:CD1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:CD2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:CE1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:CE2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:CG | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:CZ | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:H | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:HA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:HB2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:HB3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:HD1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:HD2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:HE1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:HE2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:HZ | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:N | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:O | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:C | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:CA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:CB | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:H | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:HA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:HB3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:N | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:O | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:O1P | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:O2P | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:O3P | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:OG | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:P | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:C | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:CA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:CB | 18 | 1.24 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:CD1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:CD2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:CE1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:CE2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:CG | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:CZ | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:H | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:HA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:HB2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:HB3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:HD1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:HD2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:HE1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:HE2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:HH | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:N | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:O | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:OH | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CB | 2:B:659:NH2:HN1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CB | 2:B:659:NH2:HN2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CB | 2:B:659:NH2:N | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CG | 2:B:648:ACE:C | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CG | 2:B:648:ACE:CH3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CG | 2:B:648:ACE:H1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CG | 2:B:648:ACE:H2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CG | 2:B:648:ACE:H3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CG | 2:B:648:ACE:O | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:C | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:CA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:CB | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:CG | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:H | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:HA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:HB2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:HB3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:N | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:O | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:OD1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:OD2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:C | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:CA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:CB | 18 | 1.24 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:CD | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:CG | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:H | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:HA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:HB2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:HB3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:HE21 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:HE22 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:HG2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:HG3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:N | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:NE2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:O | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:OE1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:C | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:CA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:CB | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:H | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:HA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:HB2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:HB3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:HG | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:N | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:O | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:OG | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:C | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:CA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:CB | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:CG | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:H | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:HA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:HB2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:HB3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:N | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:O | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:OD1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:OD2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:C | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:CA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:CB | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:CD1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:CD2 | 18 | 1.24 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:CE1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:CE2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:CG | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:CZ | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:H | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:HA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:HB2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:HB3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:HD1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:HD2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:HE1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:HE2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:HZ | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:N | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:O | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:C | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:CA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:CB | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:CD | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:CG | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:H | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:HA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:HB2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:HB3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:HG2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:HG3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:N | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:O | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:OE1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:OE2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CG | 2:B:655:GLY:C | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CG | 2:B:655:GLY:CA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CG | 2:B:655:GLY:H | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CG | 2:B:655:GLY:HA2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CG | 2:B:655:GLY:HA3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CG | 2:B:655:GLY:N | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CG | 2:B:655:GLY:O | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:C | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:CA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:CB | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:CD1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:CD2 | 18 | 1.24 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:CE1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:CE2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:CG | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:CZ | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:H | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:HA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:HB2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:HB3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:HD1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:HD2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:HE1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:HE2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:HZ | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:N | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:O | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:C | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:CA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:CB | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:H | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:HA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:HB3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:N | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:O | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:O1P | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:O2P | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:O3P | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:OG | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:P | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:C | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:CA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:CB | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:CD1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:CD2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:CE1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:CE2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:CG | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:CZ | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:H | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:HA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:HB2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:HB3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:HD1 | 18 | 1.24 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:HD2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:HE1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:HE2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:HH | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:N | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:O | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:OH | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CG | 2:B:659:NH2:HN1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CG | 2:B:659:NH2:HN2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:CG | 2:B:659:NH2:N | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:H | 2:B:648:ACE:C | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:H | 2:B:648:ACE:CH3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:H | 2:B:648:ACE:H1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:H | 2:B:648:ACE:H2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:H | 2:B:648:ACE:H3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:H | 2:B:648:ACE:O | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:C | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:CA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:CB | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:CG | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:H | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:HA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:HB2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:HB3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:N | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:O | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:OD1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:OD2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:C | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:CA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:CB | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:CD | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:CG | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:H | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:HA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:HB2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:HB3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:HE21 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:HE22 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:HG2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:HG3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:N | 18 | 1.24 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:NE2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:O | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:OE1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:C | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:CA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:CB | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:H | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:HA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:HB2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:HB3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:HG | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:N | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:O | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:OG | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:C | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:CA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:CB | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:CG | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:H | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:HA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:HB2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:HB3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:N | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:O | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:OD1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:OD2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:C | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:CA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:CB | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:CD1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:CD2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:CE1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:CE2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:CG | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:CZ | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:H | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:HA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:HB2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:HB3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:HD1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:HD2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:HE1 | 18 | 1.24 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:HE2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:HZ | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:N | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:O | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:C | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:CA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:CB | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:CD | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:CG | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:H | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:HA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:HB2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:HB3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:HG2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:HG3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:N | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:O | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:OE1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:OE2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:H | 2:B:655:GLY:C | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:H | 2:B:655:GLY:CA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:H | 2:B:655:GLY:H | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:H | 2:B:655:GLY:HA2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:H | 2:B:655:GLY:HA3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:H | 2:B:655:GLY:N | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:H | 2:B:655:GLY:O | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:C | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:CA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:CB | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:CD1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:CD2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:CE1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:CE2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:CG | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:CZ | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:H | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:HA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:HB2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:HB3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:HD1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:HD2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:HE1 | 18 | 1.24 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:HE2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:HZ | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:N | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:O | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:C | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:CA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:CB | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:H | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:HA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:HB3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:N | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:O | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:O1P | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:O2P | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:O3P | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:OG | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:P | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:C | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:CA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:CB | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:CD1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:CD2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:CE1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:CE2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:CG | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:CZ | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:H | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:HA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:HB2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:HB3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:HD1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:HD2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:HE1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:HE2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:HH | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:N | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:O | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:OH | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:H | 2:B:659:NH2:HN1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:H | 2:B:659:NH2:HN2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:H | 2:B:659:NH2:N | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HA | 2:B:648:ACE:C | 18 | 1.24 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HA | 2:B:648:ACE:CH3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HA | 2:B:648:ACE:H1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HA | 2:B:648:ACE:H2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HA | 2:B:648:ACE:H3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HA | 2:B:648:ACE:O | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:C | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:CA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:CB | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:CG | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:H | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:HA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:HB2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:HB3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:N | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:O | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:OD1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:OD2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:C | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:CA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:CB | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:CD | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:CG | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:H | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:HA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:HB2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:HB3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:HE21 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:HE22 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:HG2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:HG3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:N | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:NE2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:O | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:OE1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:C | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:CA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:CB | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:H | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:HA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:HB2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:HB3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:HG | 18 | 1.24 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:N | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:O | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:OG | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:C | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:CA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:CB | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:CG | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:H | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:HA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:HB2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:HB3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:N | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:O | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:OD1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:OD2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:C | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:CA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:CB | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:CD1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:CD2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:CE1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:CE2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:CG | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:CZ | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:H | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:HA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:HB2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:HB3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:HD1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:HD2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:HE1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:HE2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:HZ | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:N | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:O | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:C | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:CA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:CB | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:CD | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:CG | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:H | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:HA | 18 | 1.24 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:HB2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:HB3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:HG2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:HG3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:N | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:O | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:OE1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:OE2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HA | 2:B:655:GLY:C | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HA | 2:B:655:GLY:CA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HA | 2:B:655:GLY:H | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HA | 2:B:655:GLY:HA2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HA | 2:B:655:GLY:HA3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HA | 2:B:655:GLY:N | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HA | 2:B:655:GLY:O | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:C | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:CA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:CB | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:CD1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:CD2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:CE1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:CE2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:CG | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:CZ | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:H | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:HA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:HB2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:HB3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:HD1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:HD2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:HE1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:HE2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:HZ | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:N | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:O | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:C | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:CA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:CB | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:H | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:HA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:HB3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:N | 18 | 1.24 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:O | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:O1P | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:O2P | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:O3P | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:OG | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:P | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:C | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:CA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:CB | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:CD1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:CD2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:CE1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:CE2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:CG | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:CZ | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:H | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:HA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:HB2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:HB3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:HD1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:HD2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:HE1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:HE2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:HH | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:N | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:O | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:OH | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HA | 2:B:659:NH2:HN1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HA | 2:B:659:NH2:HN2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HA | 2:B:659:NH2:N | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:648:ACE:C | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:648:ACE:CH3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:648:ACE:H1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:648:ACE:H2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:648:ACE:H3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:648:ACE:O | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:C | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:CA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:CB | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:CG | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:H | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:HA | 18 | 1.24 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:HB2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:HB3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:N | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:O | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:OD1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:OD2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:C | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:CA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:CB | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:CD | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:CG | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:H | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:HA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:HB2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:HB3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:HE21 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:HE22 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:HG2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:HG3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:N | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:NE2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:O | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:OE1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:C | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:CA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:CB | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:H | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:HA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:HB2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:HB3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:HG | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:N | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:O | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:OG | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:C | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:CA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:CB | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:CG | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:H | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:HA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:HB2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:HB3 | 18 | 1.24 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:N | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:O | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:OD1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:OD2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:C | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:CA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:CB | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:CD1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:CD2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:CE1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:CE2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:CG | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:CZ | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:H | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:HA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:HB2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:HB3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:HD1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:HD2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:HE1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:HE2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:HZ | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:N | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:O | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:C | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:CA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:CB | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:CD | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:CG | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:H | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:HA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:HB2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:HB3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:HG2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:HG3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:N | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:O | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:OE1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:OE2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:655:GLY:C | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:655:GLY:CA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:655:GLY:H | 18 | 1.24 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HB2 | 2:B:655:GLY:HA2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:655:GLY:HA3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:655:GLY:N | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:655:GLY:O | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:C | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:CA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:CB | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:CD1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:CD2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:CE1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:CE2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:CG | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:CZ | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:H | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:HA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:HB2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:HB3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:HD1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:HD2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:HE1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:HE2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:HZ | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:N | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:O | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:C | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:CA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:CB | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:H | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:HA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:HB3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:N | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:O | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:O1P | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:O2P | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:O3P | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:OG | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:P | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:C | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:CA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:CB | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:CD1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:CD2 | 18 | 1.24 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:CE1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:CE2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:CG | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:CZ | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:H | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:HA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:HB2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:HB3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:HD1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:HD2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:HE1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:HE2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:HH | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:N | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:O | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:OH | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:659:NH2:HN1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:659:NH2:HN2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:659:NH2:N | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:648:ACE:C | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:648:ACE:CH3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:648:ACE:H1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:648:ACE:H2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:648:ACE:H3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:648:ACE:O | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:C | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:CA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:CB | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:CG | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:H | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:HA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:HB2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:HB3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:N | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:O | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:OD1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:OD2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:C | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:CA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:CB | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:CD | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:CG | 18 | 1.24 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:H | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:HA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:HB2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:HB3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:HE21 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:HE22 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:HG2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:HG3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:N | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:NE2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:O | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:OE1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:C | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:CA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:CB | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:H | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:HA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:HB2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:HB3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:HG | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:N | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:O | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:OG | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:C | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:CA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:CB | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:CG | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:H | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:HA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:HB2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:HB3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:N | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:O | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:OD1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:OD2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:C | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:CA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:CB | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:CD1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:CD2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:CE1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:CE2 | 18 | 1.24 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:CG | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:CZ | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:H | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:HA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:HB2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:HB3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:HD1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:HD2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:HE1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:HE2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:HZ | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:N | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:O | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:C | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:CA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:CB | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:CD | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:CG | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:H | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:HA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:HB2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:HB3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:HG2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:HG3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:N | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:O | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:OE1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:OE2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:655:GLY:C | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:655:GLY:CA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:655:GLY:H | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:655:GLY:HA2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:655:GLY:HA3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:655:GLY:N | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:655:GLY:O | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:C | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:CA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:CB | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:CD1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:CD2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:CE1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:CE2 | 18 | 1.24 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:CG | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:CZ | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:H | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:HA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:HB2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:HB3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:HD1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:HD2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:HE1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:HE2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:HZ | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:N | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:O | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:C | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:CA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:CB | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:H | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:HA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:HB3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:N | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:O | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:O1P | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:O2P | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:O3P | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:OG | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:P | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:C | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:CA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:CB | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:CD1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:CD2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:CE1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:CE2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:CG | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:CZ | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:H | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:HA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:HB2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:HB3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:HD1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:HD2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:HE1 | 18 | 1.24 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:HE2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:HH | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:N | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:O | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:OH | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:659:NH2:HN1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:659:NH2:HN2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:659:NH2:N | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:648:ACE:C | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:648:ACE:CH3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:648:ACE:H1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:648:ACE:H2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:648:ACE:H3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:648:ACE:O | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:C | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:CA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:CB | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:CG | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:H | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:HA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:HB2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:HB3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:N | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:O | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:OD1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:OD2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:C | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:CA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:CB | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:CD | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:CG | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:H | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:HA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:HB2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:HB3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:HE21 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:HE22 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:HG2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:HG3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:N | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:NE2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:O | 18 | 1.24 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:OE1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:C | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:CA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:CB | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:H | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:HA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:HB2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:HB3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:HG | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:N | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:O | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:OG | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:C | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:CA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:CB | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:CG | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:H | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:HA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:HB2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:HB3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:N | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:O | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:OD1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:OD2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:C | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:CA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:CB | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:CD1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:CD2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:CE1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:CE2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:CG | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:CZ | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:H | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:HA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:HB2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:HB3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:HD1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:HD2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:HE1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:HE2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:HZ | 18 | 1.24 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:N | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:O | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:C | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:CA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:CB | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:CD | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:CG | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:H | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:HA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:HB2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:HB3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:HG2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:HG3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:N | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:O | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:OE1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:OE2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:655:GLY:C | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:655:GLY:CA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:655:GLY:H | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:655:GLY:HA2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:655:GLY:HA3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:655:GLY:N | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:655:GLY:O | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:C | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:CA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:CB | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:CD1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:CD2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:CE1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:CE2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:CG | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:CZ | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:H | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:HA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:HB2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:HB3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:HD1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:HD2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:HE1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:HE2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:HZ | 18 | 1.24 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:N | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:O | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:C | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:CA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:CB | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:H | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:HA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:HB3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:N | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:O | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:O1P | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:O2P | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:O3P | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:OG | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:P | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:C | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:CA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:CB | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:CD1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:CD2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:CE1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:CE2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:CG | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:CZ | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:H | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:HA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:HB2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:HB3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:HD1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:HD2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:HE1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:HE2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:HH | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:N | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:O | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:OH | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:659:NH2:HN1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:659:NH2:HN2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:659:NH2:N | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:648:ACE:C | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:648:ACE:CH3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:648:ACE:H1 | 18 | 1.24 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HD22 | 2:B:648:ACE:H2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:648:ACE:H3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:648:ACE:O | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:C | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:CA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:CB | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:CG | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:H | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:HA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:HB2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:HB3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:N | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:O | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:OD1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:OD2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:C | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:CA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:CB | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:CD | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:CG | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:H | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:HA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:HB2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:HB3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:HE21 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:HE22 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:HG2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:HG3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:N | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:NE2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:O | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:OE1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:C | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:CA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:CB | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:H | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:HA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:HB2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:HB3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:HG | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:N | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:O | 18 | 1.24 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:OG | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:C | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:CA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:CB | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:CG | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:H | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:HA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:HB2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:HB3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:N | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:O | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:OD1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:OD2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:C | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:CA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:CB | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:CD1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:CD2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:CE1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:CE2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:CG | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:CZ | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:H | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:HA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:HB2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:HB3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:HD1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:HD2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:HE1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:HE2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:HZ | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:N | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:O | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:C | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:CA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:CB | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:CD | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:CG | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:H | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:HA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:HB2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:HB3 | 18 | 1.24 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:HG2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:HG3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:N | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:O | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:OE1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:OE2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:655:GLY:C | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:655:GLY:CA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:655:GLY:H | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:655:GLY:HA2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:655:GLY:HA3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:655:GLY:N | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:655:GLY:O | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:C | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:CA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:CB | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:CD1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:CD2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:CE1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:CE2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:CG | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:CZ | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:H | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:HA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:HB2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:HB3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:HD1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:HD2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:HE1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:HE2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:HZ | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:N | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:O | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:C | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:CA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:CB | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:H | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:HA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:HB3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:N | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:O | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:O1P | 18 | 1.24 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:O2P | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:O3P | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:OG | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:P | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:C | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:CA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:CB | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:CD1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:CD2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:CE1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:CE2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:CG | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:CZ | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:H | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:HA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:HB2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:HB3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:HD1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:HD2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:HE1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:HE2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:HH | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:N | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:O | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:OH | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:659:NH2:HN1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:659:NH2:HN2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:659:NH2:N | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:N | 2:B:648:ACE:C | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:N | 2:B:648:ACE:CH3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:N | 2:B:648:ACE:H1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:N | 2:B:648:ACE:H2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:N | 2:B:648:ACE:H3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:N | 2:B:648:ACE:O | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:C | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:CA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:CB | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:CG | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:H | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:HA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:HB2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:HB3 | 18 | 1.24 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:N | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:O | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:OD1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:OD2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:C | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:CA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:CB | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:CD | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:CG | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:H | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:HA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:HB2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:HB3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:HE21 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:HE22 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:HG2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:HG3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:N | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:NE2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:O | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:OE1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:C | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:CA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:CB | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:H | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:HA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:HB2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:HB3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:HG | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:N | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:O | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:OG | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:C | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:CA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:CB | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:CG | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:H | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:HA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:HB2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:HB3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:N | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:O | 18 | 1.24 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:OD1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:OD2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:C | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:CA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:CB | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:CD1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:CD2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:CE1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:CE2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:CG | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:CZ | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:H | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:HA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:HB2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:HB3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:HD1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:HD2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:HE1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:HE2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:HZ | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:N | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:O | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:C | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:CA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:CB | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:CD | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:CG | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:H | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:HA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:HB2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:HB3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:HG2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:HG3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:N | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:O | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:OE1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:OE2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:N | 2:B:655:GLY:C | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:N | 2:B:655:GLY:CA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:N | 2:B:655:GLY:H | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:N | 2:B:655:GLY:HA2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:N | 2:B:655:GLY:HA3 | 18 | 1.24 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:N | 2:B:655:GLY:N | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:N | 2:B:655:GLY:O | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:C | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:CA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:CB | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:CD1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:CD2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:CE1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:CE2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:CG | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:CZ | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:H | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:HA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:HB2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:HB3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:HD1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:HD2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:HE1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:HE2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:HZ | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:N | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:O | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:C | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:CA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:CB | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:H | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:HA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:HB3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:N | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:O | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:O1P | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:O2P | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:O3P | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:OG | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:P | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:C | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:CA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:CB | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:CD1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:CD2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:CE1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:CE2 | 18 | 1.24 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:CG | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:CZ | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:H | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:HA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:HB2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:HB3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:HD1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:HD2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:HE1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:HE2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:HH | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:N | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:O | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:OH | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:N | 2:B:659:NH2:HN1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:N | 2:B:659:NH2:HN2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:N | 2:B:659:NH2:N | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:648:ACE:C | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:648:ACE:CH3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:648:ACE:H1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:648:ACE:H2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:648:ACE:H3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:648:ACE:O | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:C | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:CA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:CB | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:CG | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:H | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:HA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:HB2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:HB3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:N | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:O | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:OD1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:OD2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:C | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:CA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:CB | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:CD | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:CG | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:H | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:HA | 18 | 1.24 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:HB2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:HB3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:HE21 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:HE22 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:HG2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:HG3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:N | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:NE2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:O | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:OE1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:C | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:CA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:CB | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:H | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:HA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:HB2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:HB3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:HG | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:N | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:O | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:OG | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:C | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:CA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:CB | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:CG | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:H | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:HA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:HB2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:HB3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:N | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:O | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:OD1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:OD2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:C | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:CA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:CB | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:CD1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:CD2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:CE1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:CE2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:CG | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:CZ | 18 | 1.24 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:H | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:HA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:HB2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:HB3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:HD1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:HD2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:HE1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:HE2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:HZ | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:N | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:O | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:C | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:CA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:CB | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:CD | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:CG | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:H | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:HA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:HB2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:HB3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:HG2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:HG3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:N | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:O | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:OE1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:OE2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:655:GLY:C | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:655:GLY:CA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:655:GLY:H | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:655:GLY:HA2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:655:GLY:HA3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:655:GLY:N | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:655:GLY:O | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:C | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:CA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:CB | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:CD1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:CD2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:CE1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:CE2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:CG | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:CZ | 18 | 1.24 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:H | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:HA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:HB2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:HB3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:HD1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:HD2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:HE1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:HE2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:HZ | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:N | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:O | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:C | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:CA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:CB | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:H | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:HA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:HB3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:N | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:O | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:O1P | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:O2P | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:O3P | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:OG | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:P | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:C | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:CA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:CB | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:CD1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:CD2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:CE1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:CE2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:CG | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:CZ | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:H | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:HA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:HB2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:HB3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:HD1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:HD2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:HE1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:HE2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:HH | 18 | 1.24 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:N | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:O | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:OH | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:659:NH2:HN1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:659:NH2:HN2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:659:NH2:N | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:O | 2:B:648:ACE:C | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:O | 2:B:648:ACE:CH3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:O | 2:B:648:ACE:H1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:O | 2:B:648:ACE:H2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:O | 2:B:648:ACE:H3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:O | 2:B:648:ACE:O | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:C | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:CA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:CB | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:CG | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:H | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:HA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:HB2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:HB3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:N | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:O | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:OD1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:OD2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:C | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:CA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:CB | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:CD | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:CG | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:H | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:HA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:HB2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:HB3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:HE21 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:HE22 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:HG2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:HG3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:N | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:NE2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:O | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:OE1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:C | 18 | 1.24 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:CA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:CB | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:H | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:HA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:HB2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:HB3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:HG | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:N | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:O | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:OG | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:C | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:CA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:CB | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:CG | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:H | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:HA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:HB2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:HB3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:N | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:O | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:OD1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:OD2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:C | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:CA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:CB | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:CD1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:CD2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:CE1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:CE2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:CG | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:CZ | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:H | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:HA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:HB2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:HB3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:HD1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:HD2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:HE1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:HE2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:HZ | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:N | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:O | 18 | 1.24 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:C | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:CA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:CB | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:CD | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:CG | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:H | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:HA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:HB2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:HB3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:HG2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:HG3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:N | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:O | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:OE1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:OE2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:O | 2:B:655:GLY:C | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:O | 2:B:655:GLY:CA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:O | 2:B:655:GLY:H | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:O | 2:B:655:GLY:HA2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:O | 2:B:655:GLY:HA3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:O | 2:B:655:GLY:N | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:O | 2:B:655:GLY:O | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:C | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:CA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:CB | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:CD1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:CD2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:CE1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:CE2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:CG | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:CZ | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:H | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:HA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:HB2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:HB3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:HD1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:HD2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:HE1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:HE2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:HZ | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:N | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:O | 18 | 1.24 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:C | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:CA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:CB | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:H | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:HA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:HB3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:N | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:O | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:O1P | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:O2P | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:O3P | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:OG | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:P | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:C | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:CA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:CB | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:CD1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:CD2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:CE1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:CE2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:CG | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:CZ | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:H | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:HA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:HB2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:HB3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:HD1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:HD2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:HE1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:HE2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:HH | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:N | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:O | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:OH | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:O | 2:B:659:NH2:HN1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:O | 2:B:659:NH2:HN2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:O | 2:B:659:NH2:N | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:648:ACE:C | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:648:ACE:CH3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:648:ACE:H1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:648:ACE:H2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:648:ACE:H3 | 18 | 1.24 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:OD1 | 2:B:648:ACE:O | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:C | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:CA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:CB | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:CG | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:H | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:HA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:HB2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:HB3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:N | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:O | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:OD1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:OD2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:C | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:CA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:CB | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:CD | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:CG | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:H | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:HA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:HB2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:HB3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:HE21 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:HE22 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:HG2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:HG3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:N | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:NE2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:O | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:OE1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:C | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:CA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:CB | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:H | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:HA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:HB2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:HB3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:HG | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:N | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:O | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:OG | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:C | 18 | 1.24 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:CA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:CB | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:CG | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:H | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:HA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:HB2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:HB3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:N | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:O | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:OD1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:OD2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:C | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:CA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:CB | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:CD1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:CD2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:CE1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:CE2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:CG | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:CZ | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:H | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:HA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:HB2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:HB3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:HD1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:HD2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:HE1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:HE2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:HZ | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:N | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:O | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:C | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:CA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:CB | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:CD | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:CG | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:H | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:HA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:HB2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:HB3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:HG2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:HG3 | 18 | 1.24 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:N | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:O | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:OE1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:OE2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:655:GLY:C | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:655:GLY:CA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:655:GLY:H | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:655:GLY:HA2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:655:GLY:HA3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:655:GLY:N | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:655:GLY:O | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:C | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:CA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:CB | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:CD1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:CD2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:CE1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:CE2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:CG | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:CZ | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:H | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:HA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:HB2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:HB3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:HD1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:HD2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:HE1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:HE2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:HZ | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:N | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:O | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:C | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:CA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:CB | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:H | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:HA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:HB3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:N | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:O | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:O1P | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:O2P | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:O3P | 18 | 1.24 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:OG | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:P | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:C | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:CA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:CB | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:CD1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:CD2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:CE1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:CE2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:CG | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:CZ | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:H | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:HA | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:HB2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:HB3 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:HD1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:HD2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:HE1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:HE2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:HH | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:N | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:O | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:OH | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:659:NH2:HN1 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:659:NH2:HN2 | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:659:NH2:N | 18 | 1.24 |
| (1,34) | 1:A:253:ASN:C | 2:B:648:ACE:C | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:C | 2:B:648:ACE:CH3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:C | 2:B:648:ACE:H1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:C | 2:B:648:ACE:H2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:C | 2:B:648:ACE:H3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:C | 2:B:648:ACE:O | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:C | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:CA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:CB | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:CG | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:H | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:HA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:HB2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:HB3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:N | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:O | 10 | 1.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:OD1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:OD2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:C | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:CA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:CB | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:CD | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:CG | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:H | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:HA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:HB2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:HB3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:HE21 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:HE22 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:HG2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:HG3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:N | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:NE2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:O | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:OE1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:C | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:CA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:CB | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:H | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:HA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:HB2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:HB3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:HG | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:N | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:O | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:OG | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:C | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:CA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:CB | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:CG | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:H | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:HA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:HB2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:HB3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:N | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:O | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:OD1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:OD2 | 10 | 1.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:C | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:CA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:CB | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:CD1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:CD2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:CE1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:CE2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:CG | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:CZ | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:H | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:HA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:HB2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:HB3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:HD1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:HD2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:HE1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:HE2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:HZ | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:N | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:O | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:C | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:CA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:CB | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:CD | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:CG | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:H | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:HA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:HB2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:HB3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:HG2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:HG3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:N | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:O | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:OE1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:OE2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:C | 2:B:655:GLY:C | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:C | 2:B:655:GLY:CA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:C | 2:B:655:GLY:H | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:C | 2:B:655:GLY:HA2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:C | 2:B:655:GLY:HA3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:C | 2:B:655:GLY:N | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:C | 2:B:655:GLY:O | 10 | 1.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:C | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:CA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:CB | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:CD1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:CD2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:CE1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:CE2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:CG | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:CZ | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:H | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:HA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:HB2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:HB3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:HD1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:HD2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:HE1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:HE2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:HZ | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:N | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:O | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:C | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:CA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:CB | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:H | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:HA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:HB3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:N | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:O | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:O1P | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:O2P | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:O3P | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:OG | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:P | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:C | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:CA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:CB | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:CD1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:CD2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:CE1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:CE2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:CG | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:CZ | 10 | 1.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:H | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:HA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:HB2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:HB3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:HD1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:HD2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:HE1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:HE2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:HH | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:N | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:O | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:OH | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:C | 2:B:659:NH2:HN1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:C | 2:B:659:NH2:HN2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:C | 2:B:659:NH2:N | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CA | 2:B:648:ACE:C | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CA | 2:B:648:ACE:CH3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CA | 2:B:648:ACE:H1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CA | 2:B:648:ACE:H2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CA | 2:B:648:ACE:H3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CA | 2:B:648:ACE:O | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:C | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:CA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:CB | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:CG | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:H | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:HA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:HB2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:HB3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:N | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:O | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:OD1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:OD2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:C | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:CA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:CB | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:CD | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:CG | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:H | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:HA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:HB2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:HB3 | 10 | 1.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:HE21 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:HE22 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:HG2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:HG3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:N | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:NE2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:O | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:OE1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:C | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:CA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:CB | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:H | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:HA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:HB2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:HB3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:HG | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:N | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:O | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:OG | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:C | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:CA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:CB | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:CG | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:H | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:HA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:HB2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:HB3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:N | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:O | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:OD1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:OD2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:C | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:CA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:CB | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:CD1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:CD2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:CE1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:CE2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:CG | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:CZ | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:H | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:HA | 10 | 1.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:HB2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:HB3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:HD1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:HD2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:HE1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:HE2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:HZ | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:N | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:O | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:C | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:CA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:CB | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:CD | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:CG | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:H | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:HA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:HB2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:HB3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:HG2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:HG3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:N | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:O | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:OE1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:OE2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CA | 2:B:655:GLY:C | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CA | 2:B:655:GLY:CA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CA | 2:B:655:GLY:H | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CA | 2:B:655:GLY:HA2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CA | 2:B:655:GLY:HA3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CA | 2:B:655:GLY:N | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CA | 2:B:655:GLY:O | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:C | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:CA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:CB | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:CD1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:CD2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:CE1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:CE2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:CG | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:CZ | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:H | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:HA | 10 | 1.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:HB2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:HB3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:HD1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:HD2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:HE1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:HE2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:HZ | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:N | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:O | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:C | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:CA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:CB | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:H | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:HA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:HB3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:N | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:O | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:O1P | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:O2P | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:O3P | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:OG | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:P | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:C | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:CA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:CB | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:CD1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:CD2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:CE1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:CE2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:CG | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:CZ | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:H | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:HA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:HB2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:HB3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:HD1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:HD2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:HE1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:HE2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:HH | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:N | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:O | 10 | 1.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:OH | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CA | 2:B:659:NH2:HN1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CA | 2:B:659:NH2:HN2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CA | 2:B:659:NH2:N | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CB | 2:B:648:ACE:C | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CB | 2:B:648:ACE:CH3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CB | 2:B:648:ACE:H1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CB | 2:B:648:ACE:H2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CB | 2:B:648:ACE:H3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CB | 2:B:648:ACE:O | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:C | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:CA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:CB | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:CG | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:H | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:HA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:HB2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:HB3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:N | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:O | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:OD1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:OD2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:C | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:CA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:CB | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:CD | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:CG | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:H | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:HA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:HB2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:HB3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:HE21 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:HE22 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:HG2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:HG3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:N | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:NE2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:O | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:OE1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:C | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:CA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:CB | 10 | 1.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:H | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:HA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:HB2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:HB3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:HG | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:N | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:O | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:OG | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:C | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:CA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:CB | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:CG | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:H | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:HA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:HB2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:HB3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:N | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:O | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:OD1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:OD2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:C | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:CA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:CB | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:CD1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:CD2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:CE1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:CE2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:CG | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:CZ | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:H | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:HA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:HB2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:HB3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:HD1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:HD2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:HE1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:HE2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:HZ | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:N | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:O | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:C | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:CA | 10 | 1.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:CB | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:CD | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:CG | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:H | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:HA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:HB2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:HB3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:HG2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:HG3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:N | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:O | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:OE1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:OE2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CB | 2:B:655:GLY:C | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CB | 2:B:655:GLY:CA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CB | 2:B:655:GLY:H | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CB | 2:B:655:GLY:HA2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CB | 2:B:655:GLY:HA3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CB | 2:B:655:GLY:N | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CB | 2:B:655:GLY:O | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:C | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:CA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:CB | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:CD1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:CD2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:CE1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:CE2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:CG | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:CZ | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:H | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:HA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:HB2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:HB3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:HD1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:HD2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:HE1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:HE2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:HZ | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:N | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:O | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:C | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:CA | 10 | 1.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:CB | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:H | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:HA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:HB3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:N | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:O | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:O1P | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:O2P | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:O3P | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:OG | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:P | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:C | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:CA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:CB | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:CD1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:CD2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:CE1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:CE2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:CG | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:CZ | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:H | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:HA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:HB2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:HB3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:HD1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:HD2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:HE1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:HE2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:HH | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:N | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:O | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:OH | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CB | 2:B:659:NH2:HN1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CB | 2:B:659:NH2:HN2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CB | 2:B:659:NH2:N | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CG | 2:B:648:ACE:C | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CG | 2:B:648:ACE:CH3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CG | 2:B:648:ACE:H1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CG | 2:B:648:ACE:H2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CG | 2:B:648:ACE:H3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CG | 2:B:648:ACE:O | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:C | 10 | 1.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:CA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:CB | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:CG | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:H | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:HA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:HB2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:HB3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:N | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:O | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:OD1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:OD2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:C | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:CA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:CB | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:CD | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:CG | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:H | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:HA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:HB2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:HB3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:HE21 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:HE22 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:HG2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:HG3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:N | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:NE2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:O | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:OE1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:C | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:CA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:CB | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:H | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:HA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:HB2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:HB3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:HG | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:N | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:O | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:OG | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:C | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:CA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:CB | 10 | 1.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:CG | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:H | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:HA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:HB2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:HB3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:N | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:O | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:OD1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:OD2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:C | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:CA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:CB | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:CD1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:CD2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:CE1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:CE2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:CG | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:CZ | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:H | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:HA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:HB2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:HB3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:HD1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:HD2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:HE1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:HE2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:HZ | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:N | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:O | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:C | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:CA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:CB | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:CD | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:CG | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:H | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:HA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:HB2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:HB3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:HG2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:HG3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:N | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:O | 10 | 1.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:OE1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:OE2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CG | 2:B:655:GLY:C | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CG | 2:B:655:GLY:CA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CG | 2:B:655:GLY:H | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CG | 2:B:655:GLY:HA2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CG | 2:B:655:GLY:HA3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CG | 2:B:655:GLY:N | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CG | 2:B:655:GLY:O | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:C | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:CA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:CB | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:CD1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:CD2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:CE1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:CE2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:CG | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:CZ | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:H | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:HA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:HB2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:HB3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:HD1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:HD2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:HE1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:HE2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:HZ | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:N | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:O | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:C | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:CA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:CB | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:H | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:HA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:HB3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:N | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:O | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:O1P | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:O2P | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:O3P | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:OG | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:P | 10 | 1.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:C | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:CA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:CB | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:CD1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:CD2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:CE1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:CE2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:CG | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:CZ | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:H | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:HA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:HB2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:HB3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:HD1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:HD2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:HE1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:HE2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:HH | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:N | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:O | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:OH | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CG | 2:B:659:NH2:HN1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CG | 2:B:659:NH2:HN2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:CG | 2:B:659:NH2:N | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:H | 2:B:648:ACE:C | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:H | 2:B:648:ACE:CH3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:H | 2:B:648:ACE:H1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:H | 2:B:648:ACE:H2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:H | 2:B:648:ACE:H3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:H | 2:B:648:ACE:O | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:C | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:CA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:CB | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:CG | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:H | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:HA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:HB2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:HB3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:N | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:O | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:OD1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:OD2 | 10 | 1.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:C | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:CA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:CB | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:CD | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:CG | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:H | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:HA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:HB2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:HB3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:HE21 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:HE22 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:HG2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:HG3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:N | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:NE2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:O | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:OE1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:C | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:CA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:CB | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:H | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:HA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:HB2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:HB3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:HG | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:N | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:O | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:OG | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:C | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:CA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:CB | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:CG | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:H | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:HA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:HB2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:HB3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:N | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:O | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:OD1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:OD2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:C | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:CA | 10 | 1.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:CB | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:CD1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:CD2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:CE1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:CE2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:CG | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:CZ | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:H | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:HA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:HB2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:HB3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:HD1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:HD2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:HE1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:HE2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:HZ | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:N | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:O | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:C | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:CA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:CB | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:CD | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:CG | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:H | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:HA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:HB2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:HB3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:HG2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:HG3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:N | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:O | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:OE1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:OE2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:H | 2:B:655:GLY:C | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:H | 2:B:655:GLY:CA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:H | 2:B:655:GLY:H | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:H | 2:B:655:GLY:HA2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:H | 2:B:655:GLY:HA3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:H | 2:B:655:GLY:N | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:H | 2:B:655:GLY:O | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:C | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:CA | 10 | 1.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:CB | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:CD1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:CD2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:CE1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:CE2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:CG | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:CZ | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:H | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:HA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:HB2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:HB3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:HD1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:HD2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:HE1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:HE2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:HZ | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:N | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:O | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:C | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:CA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:CB | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:H | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:HA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:HB3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:N | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:O | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:O1P | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:O2P | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:O3P | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:OG | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:P | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:C | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:CA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:CB | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:CD1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:CD2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:CE1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:CE2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:CG | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:CZ | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:H | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:HA | 10 | 1.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:HB2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:HB3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:HD1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:HD2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:HE1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:HE2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:HH | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:N | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:O | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:OH | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:H | 2:B:659:NH2:HN1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:H | 2:B:659:NH2:HN2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:H | 2:B:659:NH2:N | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HA | 2:B:648:ACE:C | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HA | 2:B:648:ACE:CH3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HA | 2:B:648:ACE:H1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HA | 2:B:648:ACE:H2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HA | 2:B:648:ACE:H3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HA | 2:B:648:ACE:O | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:C | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:CA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:CB | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:CG | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:H | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:HA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:HB2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:HB3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:N | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:O | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:OD1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:OD2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:C | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:CA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:CB | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:CD | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:CG | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:H | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:HA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:HB2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:HB3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:HE21 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:HE22 | 10 | 1.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:HG2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:HG3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:N | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:NE2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:O | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:OE1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:C | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:CA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:CB | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:H | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:HA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:HB2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:HB3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:HG | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:N | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:O | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:OG | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:C | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:CA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:CB | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:CG | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:H | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:HA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:HB2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:HB3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:N | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:O | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:OD1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:OD2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:C | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:CA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:CB | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:CD1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:CD2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:CE1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:CE2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:CG | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:CZ | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:H | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:HA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:HB2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:HB3 | 10 | 1.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:HD1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:HD2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:HE1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:HE2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:HZ | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:N | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:O | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:C | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:CA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:CB | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:CD | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:CG | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:H | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:HA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:HB2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:HB3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:HG2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:HG3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:N | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:O | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:OE1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:OE2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HA | 2:B:655:GLY:C | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HA | 2:B:655:GLY:CA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HA | 2:B:655:GLY:H | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HA | 2:B:655:GLY:HA2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HA | 2:B:655:GLY:HA3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HA | 2:B:655:GLY:N | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HA | 2:B:655:GLY:O | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:C | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:CA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:CB | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:CD1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:CD2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:CE1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:CE2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:CG | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:CZ | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:H | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:HA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:HB2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:HB3 | 10 | 1.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:HD1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:HD2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:HE1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:HE2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:HZ | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:N | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:O | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:C | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:CA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:CB | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:H | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:HA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:HB3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:N | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:O | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:O1P | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:O2P | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:O3P | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:OG | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:P | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:C | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:CA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:CB | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:CD1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:CD2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:CE1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:CE2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:CG | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:CZ | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:H | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:HA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:HB2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:HB3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:HD1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:HD2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:HE1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:HE2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:HH | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:N | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:O | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:OH | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HA | 2:B:659:NH2:HN1 | 10 | 1.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HA | 2:B:659:NH2:HN2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HA | 2:B:659:NH2:N | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:648:ACE:C | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:648:ACE:CH3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:648:ACE:H1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:648:ACE:H2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:648:ACE:H3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:648:ACE:O | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:C | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:CA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:CB | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:CG | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:H | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:HA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:HB2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:HB3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:N | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:O | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:OD1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:OD2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:C | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:CA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:CB | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:CD | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:CG | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:H | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:HA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:HB2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:HB3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:HE21 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:HE22 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:HG2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:HG3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:N | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:NE2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:O | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:OE1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:C | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:CA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:CB | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:H | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:HA | 10 | 1.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:HB2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:HB3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:HG | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:N | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:O | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:OG | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:C | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:CA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:CB | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:CG | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:H | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:HA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:HB2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:HB3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:N | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:O | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:OD1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:OD2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:C | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:CA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:CB | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:CD1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:CD2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:CE1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:CE2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:CG | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:CZ | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:H | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:HA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:HB2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:HB3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:HD1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:HD2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:HE1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:HE2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:HZ | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:N | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:O | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:C | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:CA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:CB | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:CD | 10 | 1.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:CG | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:H | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:HA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:HB2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:HB3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:HG2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:HG3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:N | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:O | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:OE1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:OE2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:655:GLY:C | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:655:GLY:CA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:655:GLY:H | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:655:GLY:HA2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:655:GLY:HA3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:655:GLY:N | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:655:GLY:O | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:C | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:CA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:CB | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:CD1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:CD2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:CE1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:CE2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:CG | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:CZ | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:H | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:HA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:HB2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:HB3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:HD1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:HD2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:HE1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:HE2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:HZ | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:N | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:O | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:C | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:CA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:CB | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:H | 10 | 1.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:HA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:HB3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:N | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:O | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:O1P | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:O2P | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:O3P | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:OG | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:P | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:C | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:CA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:CB | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:CD1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:CD2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:CE1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:CE2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:CG | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:CZ | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:H | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:HA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:HB2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:HB3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:HD1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:HD2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:HE1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:HE2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:HH | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:N | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:O | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:OH | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:659:NH2:HN1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:659:NH2:HN2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:659:NH2:N | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:648:ACE:C | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:648:ACE:CH3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:648:ACE:H1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:648:ACE:H2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:648:ACE:H3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:648:ACE:O | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:C | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:CA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:CB | 10 | 1.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:CG | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:H | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:HA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:HB2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:HB3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:N | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:O | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:OD1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:OD2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:C | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:CA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:CB | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:CD | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:CG | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:H | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:HA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:HB2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:HB3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:HE21 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:HE22 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:HG2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:HG3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:N | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:NE2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:O | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:OE1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:C | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:CA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:CB | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:H | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:HA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:HB2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:HB3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:HG | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:N | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:O | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:OG | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:C | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:CA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:CB | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:CG | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:H | 10 | 1.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:HA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:HB2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:HB3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:N | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:O | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:OD1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:OD2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:C | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:CA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:CB | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:CD1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:CD2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:CE1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:CE2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:CG | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:CZ | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:H | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:HA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:HB2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:HB3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:HD1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:HD2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:HE1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:HE2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:HZ | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:N | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:O | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:C | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:CA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:CB | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:CD | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:CG | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:H | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:HA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:HB2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:HB3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:HG2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:HG3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:N | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:O | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:OE1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:OE2 | 10 | 1.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HB3 | 2:B:655:GLY:C | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:655:GLY:CA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:655:GLY:H | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:655:GLY:HA2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:655:GLY:HA3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:655:GLY:N | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:655:GLY:O | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:C | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:CA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:CB | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:CD1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:CD2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:CE1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:CE2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:CG | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:CZ | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:H | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:HA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:HB2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:HB3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:HD1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:HD2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:HE1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:HE2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:HZ | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:N | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:O | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:C | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:CA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:CB | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:H | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:HA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:HB3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:N | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:O | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:O1P | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:O2P | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:O3P | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:OG | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:P | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:C | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:CA | 10 | 1.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:CB | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:CD1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:CD2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:CE1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:CE2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:CG | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:CZ | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:H | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:HA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:HB2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:HB3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:HD1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:HD2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:HE1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:HE2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:HH | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:N | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:O | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:OH | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:659:NH2:HN1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:659:NH2:HN2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:659:NH2:N | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:648:ACE:C | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:648:ACE:CH3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:648:ACE:H1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:648:ACE:H2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:648:ACE:H3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:648:ACE:O | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:C | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:CA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:CB | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:CG | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:H | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:HA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:HB2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:HB3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:N | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:O | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:OD1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:OD2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:C | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:CA | 10 | 1.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:CB | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:CD | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:CG | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:H | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:HA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:HB2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:HB3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:HE21 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:HE22 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:HG2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:HG3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:N | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:NE2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:O | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:OE1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:C | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:CA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:CB | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:H | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:HA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:HB2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:HB3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:HG | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:N | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:O | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:OG | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:C | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:CA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:CB | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:CG | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:H | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:HA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:HB2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:HB3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:N | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:O | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:OD1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:OD2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:C | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:CA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:CB | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:CD1 | 10 | 1.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:CD2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:CE1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:CE2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:CG | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:CZ | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:H | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:HA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:HB2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:HB3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:HD1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:HD2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:HE1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:HE2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:HZ | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:N | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:O | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:C | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:CA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:CB | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:CD | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:CG | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:H | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:HA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:HB2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:HB3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:HG2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:HG3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:N | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:O | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:OE1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:OE2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:655:GLY:C | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:655:GLY:CA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:655:GLY:H | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:655:GLY:HA2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:655:GLY:HA3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:655:GLY:N | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:655:GLY:O | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:C | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:CA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:CB | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:CD1 | 10 | 1.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:CD2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:CE1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:CE2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:CG | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:CZ | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:H | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:HA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:HB2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:HB3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:HD1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:HD2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:HE1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:HE2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:HZ | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:N | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:O | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:C | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:CA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:CB | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:H | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:HA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:HB3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:N | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:O | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:O1P | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:O2P | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:O3P | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:OG | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:P | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:C | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:CA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:CB | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:CD1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:CD2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:CE1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:CE2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:CG | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:CZ | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:H | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:HA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:HB2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:HB3 | 10 | 1.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:HD1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:HD2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:HE1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:HE2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:HH | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:N | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:O | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:OH | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:659:NH2:HN1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:659:NH2:HN2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:659:NH2:N | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:648:ACE:C | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:648:ACE:CH3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:648:ACE:H1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:648:ACE:H2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:648:ACE:H3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:648:ACE:O | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:C | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:CA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:CB | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:CG | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:H | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:HA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:HB2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:HB3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:N | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:O | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:OD1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:OD2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:C | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:CA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:CB | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:CD | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:CG | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:H | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:HA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:HB2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:HB3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:HE21 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:HE22 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:HG2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:HG3 | 10 | 1.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:N | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:NE2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:O | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:OE1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:C | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:CA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:CB | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:H | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:HA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:HB2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:HB3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:HG | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:N | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:O | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:OG | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:C | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:CA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:CB | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:CG | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:H | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:HA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:HB2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:HB3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:N | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:O | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:OD1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:OD2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:C | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:CA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:CB | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:CD1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:CD2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:CE1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:CE2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:CG | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:CZ | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:H | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:HA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:HB2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:HB3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:HD1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:HD2 | 10 | 1.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:HE1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:HE2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:HZ | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:N | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:O | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:C | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:CA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:CB | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:CD | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:CG | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:H | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:HA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:HB2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:HB3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:HG2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:HG3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:N | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:O | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:OE1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:OE2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:655:GLY:C | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:655:GLY:CA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:655:GLY:H | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:655:GLY:HA2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:655:GLY:HA3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:655:GLY:N | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:655:GLY:O | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:C | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:CA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:CB | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:CD1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:CD2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:CE1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:CE2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:CG | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:CZ | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:H | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:HA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:HB2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:HB3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:HD1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:HD2 | 10 | 1.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:HE1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:HE2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:HZ | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:N | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:O | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:C | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:CA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:CB | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:H | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:HA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:HB3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:N | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:O | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:O1P | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:O2P | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:O3P | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:OG | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:P | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:C | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:CA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:CB | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:CD1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:CD2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:CE1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:CE2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:CG | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:CZ | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:H | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:HA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:HB2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:HB3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:HD1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:HD2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:HE1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:HE2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:HH | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:N | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:O | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:OH | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:659:NH2:HN1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:659:NH2:HN2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:659:NH2:N | 10 | 1.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:N | 2:B:648:ACE:C | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:N | 2:B:648:ACE:CH3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:N | 2:B:648:ACE:H1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:N | 2:B:648:ACE:H2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:N | 2:B:648:ACE:H3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:N | 2:B:648:ACE:O | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:C | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:CA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:CB | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:CG | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:H | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:HA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:HB2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:HB3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:N | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:O | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:OD1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:OD2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:C | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:CA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:CB | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:CD | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:CG | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:H | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:HA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:HB2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:HB3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:HE21 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:HE22 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:HG2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:HG3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:N | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:NE2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:O | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:OE1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:C | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:CA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:CB | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:H | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:HA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:HB2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:HB3 | 10 | 1.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:HG | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:N | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:O | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:OG | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:C | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:CA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:CB | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:CG | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:H | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:HA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:HB2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:HB3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:N | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:O | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:OD1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:OD2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:C | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:CA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:CB | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:CD1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:CD2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:CE1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:CE2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:CG | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:CZ | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:H | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:HA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:HB2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:HB3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:HD1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:HD2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:HE1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:HE2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:HZ | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:N | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:O | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:C | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:CA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:CB | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:CD | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:CG | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:H | 10 | 1.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:HA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:HB2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:HB3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:HG2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:HG3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:N | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:O | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:OE1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:OE2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:N | 2:B:655:GLY:C | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:N | 2:B:655:GLY:CA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:N | 2:B:655:GLY:H | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:N | 2:B:655:GLY:HA2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:N | 2:B:655:GLY:HA3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:N | 2:B:655:GLY:N | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:N | 2:B:655:GLY:O | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:C | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:CA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:CB | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:CD1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:CD2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:CE1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:CE2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:CG | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:CZ | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:H | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:HA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:HB2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:HB3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:HD1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:HD2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:HE1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:HE2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:HZ | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:N | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:O | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:C | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:CA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:CB | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:H | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:HA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:HB3 | 10 | 1.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:N | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:O | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:O1P | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:O2P | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:O3P | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:OG | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:P | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:C | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:CA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:CB | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:CD1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:CD2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:CE1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:CE2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:CG | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:CZ | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:H | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:HA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:HB2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:HB3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:HD1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:HD2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:HE1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:HE2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:HH | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:N | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:O | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:OH | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:N | 2:B:659:NH2:HN1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:N | 2:B:659:NH2:HN2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:N | 2:B:659:NH2:N | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:648:ACE:C | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:648:ACE:CH3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:648:ACE:H1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:648:ACE:H2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:648:ACE:H3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:648:ACE:O | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:C | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:CA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:CB | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:CG | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:H | 10 | 1.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:HA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:HB2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:HB3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:N | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:O | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:OD1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:OD2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:C | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:CA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:CB | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:CD | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:CG | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:H | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:HA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:HB2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:HB3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:HE21 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:HE22 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:HG2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:HG3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:N | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:NE2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:O | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:OE1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:C | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:CA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:CB | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:H | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:HA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:HB2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:HB3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:HG | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:N | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:O | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:OG | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:C | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:CA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:CB | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:CG | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:H | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:HA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:HB2 | 10 | 1.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:HB3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:N | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:O | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:OD1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:OD2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:C | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:CA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:CB | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:CD1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:CD2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:CE1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:CE2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:CG | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:CZ | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:H | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:HA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:HB2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:HB3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:HD1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:HD2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:HE1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:HE2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:HZ | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:N | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:O | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:C | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:CA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:CB | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:CD | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:CG | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:H | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:HA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:HB2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:HB3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:HG2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:HG3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:N | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:O | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:OE1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:OE2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:655:GLY:C | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:655:GLY:CA | 10 | 1.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:ND2 | 2:B:655:GLY:H | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:655:GLY:HA2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:655:GLY:HA3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:655:GLY:N | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:655:GLY:O | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:C | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:CA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:CB | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:CD1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:CD2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:CE1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:CE2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:CG | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:CZ | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:H | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:HA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:HB2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:HB3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:HD1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:HD2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:HE1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:HE2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:HZ | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:N | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:O | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:C | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:CA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:CB | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:H | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:HA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:HB3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:N | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:O | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:O1P | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:O2P | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:O3P | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:OG | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:P | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:C | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:CA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:CB | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:CD1 | 10 | 1.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:CD2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:CE1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:CE2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:CG | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:CZ | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:H | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:HA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:HB2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:HB3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:HD1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:HD2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:HE1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:HE2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:HH | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:N | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:O | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:OH | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:659:NH2:HN1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:659:NH2:HN2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:659:NH2:N | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:O | 2:B:648:ACE:C | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:O | 2:B:648:ACE:CH3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:O | 2:B:648:ACE:H1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:O | 2:B:648:ACE:H2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:O | 2:B:648:ACE:H3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:O | 2:B:648:ACE:O | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:C | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:CA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:CB | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:CG | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:H | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:HA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:HB2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:HB3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:N | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:O | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:OD1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:OD2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:C | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:CA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:CB | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:CD | 10 | 1.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:CG | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:H | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:HA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:HB2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:HB3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:HE21 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:HE22 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:HG2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:HG3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:N | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:NE2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:O | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:OE1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:C | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:CA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:CB | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:H | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:HA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:HB2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:HB3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:HG | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:N | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:O | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:OG | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:C | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:CA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:CB | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:CG | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:H | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:HA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:HB2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:HB3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:N | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:O | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:OD1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:OD2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:C | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:CA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:CB | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:CD1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:CD2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:CE1 | 10 | 1.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:CE2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:CG | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:CZ | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:H | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:HA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:HB2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:HB3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:HD1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:HD2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:HE1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:HE2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:HZ | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:N | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:O | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:C | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:CA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:CB | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:CD | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:CG | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:H | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:HA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:HB2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:HB3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:HG2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:HG3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:N | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:O | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:OE1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:OE2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:O | 2:B:655:GLY:C | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:O | 2:B:655:GLY:CA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:O | 2:B:655:GLY:H | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:O | 2:B:655:GLY:HA2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:O | 2:B:655:GLY:HA3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:O | 2:B:655:GLY:N | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:O | 2:B:655:GLY:O | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:C | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:CA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:CB | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:CD1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:CD2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:CE1 | 10 | 1.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:CE2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:CG | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:CZ | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:H | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:HA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:HB2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:HB3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:HD1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:HD2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:HE1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:HE2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:HZ | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:N | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:O | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:C | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:CA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:CB | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:H | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:HA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:HB3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:N | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:O | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:O1P | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:O2P | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:O3P | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:OG | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:P | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:C | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:CA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:CB | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:CD1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:CD2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:CE1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:CE2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:CG | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:CZ | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:H | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:HA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:HB2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:HB3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:HD1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:HD2 | 10 | 1.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:HE1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:HE2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:HH | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:N | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:O | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:OH | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:O | 2:B:659:NH2:HN1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:O | 2:B:659:NH2:HN2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:O | 2:B:659:NH2:N | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:648:ACE:C | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:648:ACE:CH3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:648:ACE:H1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:648:ACE:H2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:648:ACE:H3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:648:ACE:O | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:C | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:CA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:CB | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:CG | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:H | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:HA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:HB2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:HB3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:N | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:O | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:OD1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:OD2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:C | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:CA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:CB | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:CD | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:CG | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:H | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:HA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:HB2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:HB3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:HE21 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:HE22 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:HG2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:HG3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:N | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:NE2 | 10 | 1.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:O | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:OE1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:C | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:CA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:CB | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:H | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:HA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:HB2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:HB3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:HG | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:N | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:O | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:OG | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:C | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:CA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:CB | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:CG | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:H | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:HA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:HB2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:HB3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:N | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:O | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:OD1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:OD2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:C | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:CA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:CB | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:CD1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:CD2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:CE1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:CE2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:CG | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:CZ | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:H | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:HA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:HB2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:HB3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:HD1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:HD2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:HE1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:HE2 | 10 | 1.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:HZ | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:N | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:O | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:C | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:CA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:CB | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:CD | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:CG | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:H | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:HA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:HB2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:HB3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:HG2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:HG3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:N | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:O | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:OE1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:OE2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:655:GLY:C | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:655:GLY:CA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:655:GLY:H | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:655:GLY:HA2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:655:GLY:HA3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:655:GLY:N | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:655:GLY:O | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:C | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:CA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:CB | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:CD1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:CD2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:CE1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:CE2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:CG | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:CZ | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:H | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:HA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:HB2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:HB3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:HD1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:HD2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:HE1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:HE2 | 10 | 1.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:HZ | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:N | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:O | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:C | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:CA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:CB | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:H | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:HA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:HB3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:N | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:O | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:O1P | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:O2P | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:O3P | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:OG | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:P | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:C | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:CA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:CB | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:CD1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:CD2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:CE1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:CE2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:CG | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:CZ | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:H | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:HA | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:HB2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:HB3 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:HD1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:HD2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:HE1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:HE2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:HH | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:N | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:O | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:OH | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:659:NH2:HN1 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:659:NH2:HN2 | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:659:NH2:N | 10 | 1.23 |
| (1,34) | 1:A:253:ASN:C | 2:B:648:ACE:C | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:648:ACE:CH3 | 1 | 1.2 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:C | 2:B:648:ACE:H1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:648:ACE:H2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:648:ACE:H3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:648:ACE:O | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:C | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:CA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:CB | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:CG | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:H | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:HA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:HB2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:HB3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:N | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:O | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:OD1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:OD2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:C | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:CA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:CB | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:CD | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:CG | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:H | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:HA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:HB2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:HB3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:HE21 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:HE22 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:HG2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:HG3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:N | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:NE2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:O | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:OE1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:C | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:CA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:CB | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:H | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:HA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:HB2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:HB3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:HG | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:N | 1 | 1.2 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:O | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:OG | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:C | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:CA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:CB | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:CG | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:H | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:HA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:HB2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:HB3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:N | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:O | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:OD1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:OD2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:C | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:CA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:CB | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:CD1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:CD2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:CE1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:CE2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:CG | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:CZ | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:H | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:HA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:HB2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:HB3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:HD1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:HD2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:HE1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:HE2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:HZ | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:N | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:O | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:C | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:CA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:CB | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:CD | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:CG | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:H | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:HA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:HB2 | 1 | 1.2 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:HB3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:HG2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:HG3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:N | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:O | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:OE1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:OE2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:655:GLY:C | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:655:GLY:CA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:655:GLY:H | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:655:GLY:HA2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:655:GLY:HA3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:655:GLY:N | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:655:GLY:O | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:C | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:CA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:CB | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:CD1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:CD2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:CE1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:CE2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:CG | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:CZ | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:H | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:HA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:HB2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:HB3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:HD1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:HD2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:HE1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:HE2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:HZ | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:N | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:O | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:C | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:CA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:CB | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:H | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:HA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:HB3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:N | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:O | 1 | 1.2 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:O1P | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:O2P | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:O3P | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:OG | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:P | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:C | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:CA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:CB | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:CD1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:CD2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:CE1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:CE2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:CG | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:CZ | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:H | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:HA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:HB2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:HB3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:HD1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:HD2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:HE1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:HE2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:HH | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:N | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:O | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:OH | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:659:NH2:HN1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:659:NH2:HN2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:659:NH2:N | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:648:ACE:C | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:648:ACE:CH3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:648:ACE:H1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:648:ACE:H2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:648:ACE:H3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:648:ACE:O | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:C | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:CA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:CB | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:CG | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:H | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:HA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:HB2 | 1 | 1.2 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:HB3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:N | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:O | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:OD1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:OD2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:C | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:CA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:CB | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:CD | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:CG | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:H | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:HA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:HB2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:HB3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:HE21 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:HE22 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:HG2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:HG3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:N | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:NE2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:O | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:OE1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:C | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:CA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:CB | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:H | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:HA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:HB2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:HB3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:HG | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:N | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:O | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:OG | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:C | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:CA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:CB | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:CG | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:H | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:HA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:HB2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:HB3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:N | 1 | 1.2 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:O | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:OD1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:OD2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:C | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:CA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:CB | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:CD1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:CD2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:CE1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:CE2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:CG | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:CZ | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:H | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:HA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:HB2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:HB3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:HD1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:HD2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:HE1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:HE2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:HZ | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:N | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:O | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:C | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:CA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:CB | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:CD | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:CG | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:H | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:HA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:HB2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:HB3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:HG2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:HG3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:N | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:O | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:OE1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:OE2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:655:GLY:C | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:655:GLY:CA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:655:GLY:H | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:655:GLY:HA2 | 1 | 1.2 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CA | 2:B:655:GLY:HA3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:655:GLY:N | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:655:GLY:O | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:C | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:CA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:CB | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:CD1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:CD2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:CE1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:CE2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:CG | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:CZ | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:H | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:HA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:HB2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:HB3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:HD1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:HD2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:HE1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:HE2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:HZ | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:N | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:O | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:C | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:CA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:CB | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:H | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:HA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:HB3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:N | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:O | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:O1P | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:O2P | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:O3P | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:OG | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:P | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:C | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:CA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:CB | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:CD1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:CD2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:CE1 | 1 | 1.2 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:CE2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:CG | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:CZ | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:H | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:HA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:HB2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:HB3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:HD1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:HD2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:HE1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:HE2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:HH | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:N | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:O | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:OH | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:659:NH2:HN1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:659:NH2:HN2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:659:NH2:N | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:648:ACE:C | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:648:ACE:CH3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:648:ACE:H1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:648:ACE:H2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:648:ACE:H3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:648:ACE:O | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:C | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:CA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:CB | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:CG | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:H | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:HA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:HB2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:HB3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:N | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:O | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:OD1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:OD2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:C | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:CA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:CB | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:CD | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:CG | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:H | 1 | 1.2 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:HA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:HB2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:HB3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:HE21 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:HE22 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:HG2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:HG3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:N | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:NE2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:O | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:OE1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:C | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:CA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:CB | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:H | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:HA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:HB2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:HB3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:HG | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:N | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:O | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:OG | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:C | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:CA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:CB | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:CG | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:H | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:HA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:HB2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:HB3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:N | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:O | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:OD1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:OD2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:C | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:CA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:CB | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:CD1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:CD2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:CE1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:CE2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:CG | 1 | 1.2 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:CZ | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:H | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:HA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:HB2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:HB3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:HD1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:HD2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:HE1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:HE2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:HZ | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:N | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:O | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:C | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:CA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:CB | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:CD | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:CG | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:H | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:HA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:HB2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:HB3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:HG2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:HG3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:N | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:O | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:OE1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:OE2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:655:GLY:C | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:655:GLY:CA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:655:GLY:H | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:655:GLY:HA2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:655:GLY:HA3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:655:GLY:N | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:655:GLY:O | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:C | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:CA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:CB | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:CD1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:CD2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:CE1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:CE2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:CG | 1 | 1.2 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:CZ | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:H | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:HA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:HB2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:HB3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:HD1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:HD2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:HE1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:HE2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:HZ | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:N | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:O | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:C | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:CA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:CB | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:H | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:HA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:HB3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:N | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:O | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:O1P | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:O2P | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:O3P | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:OG | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:P | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:C | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:CA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:CB | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:CD1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:CD2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:CE1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:CE2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:CG | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:CZ | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:H | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:HA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:HB2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:HB3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:HD1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:HD2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:HE1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:HE2 | 1 | 1.2 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:HH | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:N | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:O | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:OH | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:659:NH2:HN1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:659:NH2:HN2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:659:NH2:N | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:648:ACE:C | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:648:ACE:CH3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:648:ACE:H1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:648:ACE:H2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:648:ACE:H3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:648:ACE:O | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:C | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:CA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:CB | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:CG | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:H | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:HA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:HB2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:HB3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:N | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:O | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:OD1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:OD2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:C | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:CA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:CB | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:CD | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:CG | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:H | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:HA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:HB2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:HB3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:HE21 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:HE22 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:HG2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:HG3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:N | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:NE2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:O | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:OE1 | 1 | 1.2 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:C | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:CA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:CB | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:H | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:HA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:HB2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:HB3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:HG | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:N | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:O | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:OG | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:C | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:CA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:CB | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:CG | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:H | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:HA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:HB2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:HB3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:N | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:O | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:OD1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:OD2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:C | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:CA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:CB | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:CD1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:CD2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:CE1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:CE2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:CG | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:CZ | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:H | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:HA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:HB2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:HB3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:HD1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:HD2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:HE1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:HE2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:HZ | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:N | 1 | 1.2 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:O | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:C | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:CA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:CB | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:CD | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:CG | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:H | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:HA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:HB2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:HB3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:HG2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:HG3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:N | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:O | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:OE1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:OE2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:655:GLY:C | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:655:GLY:CA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:655:GLY:H | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:655:GLY:HA2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:655:GLY:HA3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:655:GLY:N | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:655:GLY:O | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:C | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:CA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:CB | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:CD1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:CD2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:CE1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:CE2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:CG | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:CZ | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:H | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:HA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:HB2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:HB3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:HD1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:HD2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:HE1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:HE2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:HZ | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:N | 1 | 1.2 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:O | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:C | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:CA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:CB | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:H | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:HA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:HB3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:N | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:O | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:O1P | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:O2P | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:O3P | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:OG | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:P | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:C | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:CA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:CB | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:CD1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:CD2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:CE1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:CE2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:CG | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:CZ | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:H | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:HA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:HB2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:HB3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:HD1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:HD2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:HE1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:HE2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:HH | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:N | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:O | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:OH | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:659:NH2:HN1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:659:NH2:HN2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:659:NH2:N | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:648:ACE:C | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:648:ACE:CH3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:648:ACE:H1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:648:ACE:H2 | 1 | 1.2 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:H | 2:B:648:ACE:H3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:648:ACE:O | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:C | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:CA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:CB | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:CG | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:H | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:HA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:HB2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:HB3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:N | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:O | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:OD1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:OD2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:C | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:CA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:CB | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:CD | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:CG | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:H | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:HA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:HB2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:HB3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:HE21 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:HE22 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:HG2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:HG3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:N | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:NE2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:O | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:OE1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:C | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:CA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:CB | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:H | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:HA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:HB2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:HB3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:HG | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:N | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:O | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:OG | 1 | 1.2 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:C | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:CA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:CB | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:CG | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:H | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:HA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:HB2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:HB3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:N | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:O | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:OD1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:OD2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:C | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:CA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:CB | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:CD1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:CD2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:CE1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:CE2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:CG | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:CZ | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:H | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:HA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:HB2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:HB3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:HD1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:HD2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:HE1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:HE2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:HZ | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:N | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:O | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:C | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:CA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:CB | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:CD | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:CG | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:H | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:HA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:HB2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:HB3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:HG2 | 1 | 1.2 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:HG3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:N | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:O | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:OE1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:OE2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:655:GLY:C | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:655:GLY:CA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:655:GLY:H | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:655:GLY:HA2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:655:GLY:HA3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:655:GLY:N | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:655:GLY:O | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:C | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:CA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:CB | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:CD1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:CD2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:CE1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:CE2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:CG | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:CZ | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:H | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:HA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:HB2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:HB3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:HD1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:HD2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:HE1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:HE2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:HZ | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:N | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:O | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:C | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:CA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:CB | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:H | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:HA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:HB3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:N | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:O | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:O1P | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:O2P | 1 | 1.2 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:O3P | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:OG | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:P | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:C | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:CA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:CB | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:CD1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:CD2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:CE1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:CE2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:CG | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:CZ | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:H | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:HA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:HB2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:HB3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:HD1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:HD2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:HE1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:HE2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:HH | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:N | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:O | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:OH | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:659:NH2:HN1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:659:NH2:HN2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:659:NH2:N | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:648:ACE:C | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:648:ACE:CH3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:648:ACE:H1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:648:ACE:H2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:648:ACE:H3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:648:ACE:O | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:C | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:CA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:CB | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:CG | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:H | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:HA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:HB2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:HB3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:N | 1 | 1.2 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:O | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:OD1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:OD2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:C | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:CA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:CB | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:CD | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:CG | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:H | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:HA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:HB2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:HB3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:HE21 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:HE22 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:HG2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:HG3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:N | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:NE2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:O | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:OE1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:C | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:CA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:CB | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:H | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:HA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:HB2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:HB3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:HG | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:N | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:O | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:OG | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:C | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:CA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:CB | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:CG | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:H | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:HA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:HB2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:HB3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:N | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:O | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:OD1 | 1 | 1.2 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:OD2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:C | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:CA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:CB | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:CD1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:CD2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:CE1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:CE2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:CG | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:CZ | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:H | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:HA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:HB2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:HB3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:HD1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:HD2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:HE1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:HE2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:HZ | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:N | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:O | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:C | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:CA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:CB | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:CD | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:CG | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:H | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:HA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:HB2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:HB3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:HG2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:HG3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:N | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:O | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:OE1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:OE2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:655:GLY:C | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:655:GLY:CA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:655:GLY:H | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:655:GLY:HA2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:655:GLY:HA3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:655:GLY:N | 1 | 1.2 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HA | 2:B:655:GLY:O | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:C | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:CA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:CB | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:CD1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:CD2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:CE1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:CE2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:CG | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:CZ | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:H | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:HA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:HB2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:HB3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:HD1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:HD2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:HE1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:HE2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:HZ | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:N | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:O | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:C | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:CA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:CB | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:H | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:HA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:HB3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:N | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:O | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:O1P | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:O2P | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:O3P | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:OG | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:P | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:C | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:CA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:CB | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:CD1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:CD2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:CE1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:CE2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:CG | 1 | 1.2 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:CZ | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:H | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:HA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:HB2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:HB3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:HD1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:HD2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:HE1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:HE2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:HH | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:N | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:O | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:OH | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:659:NH2:HN1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:659:NH2:HN2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:659:NH2:N | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:648:ACE:C | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:648:ACE:CH3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:648:ACE:H1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:648:ACE:H2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:648:ACE:H3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:648:ACE:O | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:C | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:CA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:CB | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:CG | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:H | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:HA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:HB2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:HB3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:N | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:O | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:OD1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:OD2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:C | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:CA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:CB | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:CD | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:CG | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:H | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:HA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:HB2 | 1 | 1.2 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:HB3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:HE21 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:HE22 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:HG2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:HG3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:N | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:NE2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:O | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:OE1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:C | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:CA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:CB | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:H | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:HA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:HB2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:HB3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:HG | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:N | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:O | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:OG | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:C | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:CA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:CB | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:CG | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:H | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:HA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:HB2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:HB3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:N | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:O | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:OD1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:OD2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:C | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:CA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:CB | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:CD1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:CD2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:CE1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:CE2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:CG | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:CZ | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:H | 1 | 1.2 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:HA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:HB2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:HB3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:HD1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:HD2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:HE1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:HE2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:HZ | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:N | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:O | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:C | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:CA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:CB | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:CD | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:CG | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:H | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:HA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:HB2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:HB3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:HG2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:HG3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:N | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:O | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:OE1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:OE2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:655:GLY:C | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:655:GLY:CA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:655:GLY:H | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:655:GLY:HA2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:655:GLY:HA3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:655:GLY:N | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:655:GLY:O | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:C | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:CA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:CB | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:CD1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:CD2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:CE1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:CE2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:CG | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:CZ | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:H | 1 | 1.2 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:HA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:HB2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:HB3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:HD1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:HD2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:HE1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:HE2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:HZ | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:N | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:O | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:C | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:CA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:CB | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:H | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:HA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:HB3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:N | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:O | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:O1P | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:O2P | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:O3P | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:OG | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:P | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:C | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:CA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:CB | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:CD1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:CD2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:CE1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:CE2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:CG | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:CZ | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:H | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:HA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:HB2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:HB3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:HD1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:HD2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:HE1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:HE2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:HH | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:N | 1 | 1.2 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:O | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:OH | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:659:NH2:HN1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:659:NH2:HN2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:659:NH2:N | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:648:ACE:C | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:648:ACE:CH3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:648:ACE:H1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:648:ACE:H2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:648:ACE:H3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:648:ACE:O | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:C | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:CA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:CB | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:CG | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:H | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:HA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:HB2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:HB3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:N | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:O | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:OD1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:OD2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:C | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:CA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:CB | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:CD | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:CG | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:H | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:HA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:HB2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:HB3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:HE21 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:HE22 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:HG2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:HG3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:N | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:NE2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:O | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:OE1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:C | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:CA | 1 | 1.2 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:CB | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:H | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:HA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:HB2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:HB3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:HG | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:N | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:O | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:OG | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:C | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:CA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:CB | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:CG | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:H | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:HA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:HB2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:HB3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:N | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:O | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:OD1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:OD2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:C | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:CA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:CB | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:CD1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:CD2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:CE1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:CE2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:CG | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:CZ | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:H | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:HA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:HB2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:HB3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:HD1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:HD2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:HE1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:HE2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:HZ | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:N | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:O | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:C | 1 | 1.2 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:CA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:CB | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:CD | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:CG | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:H | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:HA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:HB2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:HB3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:HG2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:HG3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:N | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:O | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:OE1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:OE2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:655:GLY:C | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:655:GLY:CA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:655:GLY:H | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:655:GLY:HA2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:655:GLY:HA3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:655:GLY:N | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:655:GLY:O | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:C | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:CA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:CB | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:CD1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:CD2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:CE1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:CE2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:CG | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:CZ | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:H | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:HA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:HB2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:HB3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:HD1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:HD2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:HE1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:HE2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:HZ | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:N | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:O | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:C | 1 | 1.2 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:CA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:CB | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:H | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:HA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:HB3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:N | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:O | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:O1P | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:O2P | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:O3P | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:OG | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:P | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:C | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:CA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:CB | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:CD1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:CD2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:CE1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:CE2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:CG | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:CZ | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:H | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:HA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:HB2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:HB3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:HD1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:HD2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:HE1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:HE2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:HH | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:N | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:O | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:OH | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:659:NH2:HN1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:659:NH2:HN2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:659:NH2:N | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:648:ACE:C | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:648:ACE:CH3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:648:ACE:H1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:648:ACE:H2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:648:ACE:H3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:648:ACE:O | 1 | 1.2 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:C | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:CA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:CB | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:CG | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:H | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:HA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:HB2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:HB3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:N | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:O | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:OD1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:OD2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:C | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:CA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:CB | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:CD | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:CG | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:H | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:HA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:HB2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:HB3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:HE21 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:HE22 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:HG2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:HG3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:N | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:NE2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:O | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:OE1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:C | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:CA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:CB | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:H | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:HA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:HB2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:HB3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:HG | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:N | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:O | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:OG | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:C | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:CA | 1 | 1.2 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:CB | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:CG | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:H | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:HA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:HB2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:HB3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:N | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:O | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:OD1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:OD2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:C | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:CA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:CB | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:CD1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:CD2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:CE1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:CE2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:CG | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:CZ | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:H | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:HA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:HB2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:HB3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:HD1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:HD2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:HE1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:HE2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:HZ | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:N | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:O | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:C | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:CA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:CB | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:CD | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:CG | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:H | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:HA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:HB2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:HB3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:HG2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:HG3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:N | 1 | 1.2 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:O | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:OE1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:OE2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:655:GLY:C | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:655:GLY:CA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:655:GLY:H | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:655:GLY:HA2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:655:GLY:HA3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:655:GLY:N | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:655:GLY:O | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:C | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:CA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:CB | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:CD1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:CD2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:CE1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:CE2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:CG | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:CZ | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:H | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:HA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:HB2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:HB3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:HD1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:HD2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:HE1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:HE2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:HZ | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:N | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:O | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:C | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:CA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:CB | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:H | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:HA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:HB3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:N | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:O | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:O1P | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:O2P | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:O3P | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:OG | 1 | 1.2 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:P | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:C | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:CA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:CB | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:CD1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:CD2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:CE1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:CE2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:CG | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:CZ | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:H | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:HA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:HB2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:HB3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:HD1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:HD2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:HE1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:HE2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:HH | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:N | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:O | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:OH | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:659:NH2:HN1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:659:NH2:HN2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:659:NH2:N | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:648:ACE:C | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:648:ACE:CH3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:648:ACE:H1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:648:ACE:H2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:648:ACE:H3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:648:ACE:O | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:C | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:CA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:CB | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:CG | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:H | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:HA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:HB2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:HB3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:N | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:O | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:OD1 | 1 | 1.2 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:OD2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:C | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:CA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:CB | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:CD | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:CG | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:H | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:HA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:HB2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:HB3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:HE21 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:HE22 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:HG2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:HG3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:N | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:NE2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:O | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:OE1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:C | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:CA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:CB | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:H | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:HA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:HB2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:HB3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:HG | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:N | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:O | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:OG | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:C | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:CA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:CB | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:CG | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:H | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:HA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:HB2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:HB3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:N | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:O | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:OD1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:OD2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:C | 1 | 1.2 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:CA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:CB | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:CD1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:CD2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:CE1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:CE2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:CG | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:CZ | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:H | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:HA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:HB2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:HB3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:HD1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:HD2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:HE1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:HE2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:HZ | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:N | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:O | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:C | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:CA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:CB | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:CD | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:CG | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:H | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:HA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:HB2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:HB3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:HG2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:HG3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:N | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:O | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:OE1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:OE2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:655:GLY:C | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:655:GLY:CA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:655:GLY:H | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:655:GLY:HA2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:655:GLY:HA3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:655:GLY:N | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:655:GLY:O | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:C | 1 | 1.2 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:CA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:CB | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:CD1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:CD2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:CE1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:CE2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:CG | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:CZ | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:H | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:HA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:HB2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:HB3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:HD1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:HD2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:HE1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:HE2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:HZ | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:N | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:O | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:C | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:CA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:CB | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:H | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:HA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:HB3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:N | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:O | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:O1P | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:O2P | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:O3P | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:OG | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:P | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:C | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:CA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:CB | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:CD1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:CD2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:CE1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:CE2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:CG | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:CZ | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:H | 1 | 1.2 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:HA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:HB2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:HB3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:HD1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:HD2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:HE1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:HE2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:HH | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:N | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:O | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:OH | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:659:NH2:HN1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:659:NH2:HN2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:659:NH2:N | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:648:ACE:C | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:648:ACE:CH3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:648:ACE:H1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:648:ACE:H2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:648:ACE:H3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:648:ACE:O | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:C | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:CA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:CB | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:CG | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:H | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:HA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:HB2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:HB3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:N | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:O | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:OD1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:OD2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:C | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:CA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:CB | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:CD | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:CG | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:H | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:HA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:HB2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:HB3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:HE21 | 1 | 1.2 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:HE22 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:HG2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:HG3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:N | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:NE2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:O | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:OE1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:C | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:CA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:CB | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:H | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:HA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:HB2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:HB3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:HG | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:N | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:O | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:OG | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:C | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:CA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:CB | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:CG | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:H | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:HA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:HB2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:HB3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:N | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:O | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:OD1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:OD2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:C | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:CA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:CB | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:CD1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:CD2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:CE1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:CE2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:CG | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:CZ | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:H | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:HA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:HB2 | 1 | 1.2 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:HB3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:HD1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:HD2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:HE1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:HE2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:HZ | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:N | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:O | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:C | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:CA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:CB | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:CD | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:CG | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:H | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:HA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:HB2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:HB3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:HG2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:HG3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:N | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:O | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:OE1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:OE2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:655:GLY:C | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:655:GLY:CA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:655:GLY:H | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:655:GLY:HA2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:655:GLY:HA3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:655:GLY:N | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:655:GLY:O | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:C | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:CA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:CB | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:CD1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:CD2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:CE1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:CE2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:CG | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:CZ | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:H | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:HA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:HB2 | 1 | 1.2 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:HB3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:HD1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:HD2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:HE1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:HE2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:HZ | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:N | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:O | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:C | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:CA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:CB | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:H | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:HA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:HB3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:N | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:O | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:O1P | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:O2P | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:O3P | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:OG | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:P | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:C | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:CA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:CB | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:CD1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:CD2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:CE1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:CE2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:CG | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:CZ | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:H | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:HA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:HB2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:HB3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:HD1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:HD2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:HE1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:HE2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:HH | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:N | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:O | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:OH | 1 | 1.2 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:N | 2:B:659:NH2:HN1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:659:NH2:HN2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:659:NH2:N | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:648:ACE:C | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:648:ACE:CH3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:648:ACE:H1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:648:ACE:H2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:648:ACE:H3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:648:ACE:O | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:C | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:CA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:CB | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:CG | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:H | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:HA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:HB2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:HB3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:N | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:O | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:OD1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:OD2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:C | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:CA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:CB | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:CD | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:CG | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:H | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:HA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:HB2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:HB3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:HE21 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:HE22 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:HG2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:HG3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:N | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:NE2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:O | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:OE1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:C | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:CA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:CB | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:H | 1 | 1.2 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:HA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:HB2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:HB3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:HG | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:N | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:O | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:OG | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:C | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:CA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:CB | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:CG | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:H | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:HA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:HB2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:HB3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:N | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:O | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:OD1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:OD2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:C | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:CA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:CB | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:CD1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:CD2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:CE1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:CE2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:CG | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:CZ | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:H | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:HA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:HB2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:HB3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:HD1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:HD2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:HE1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:HE2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:HZ | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:N | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:O | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:C | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:CA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:CB | 1 | 1.2 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:CD | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:CG | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:H | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:HA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:HB2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:HB3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:HG2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:HG3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:N | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:O | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:OE1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:OE2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:655:GLY:C | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:655:GLY:CA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:655:GLY:H | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:655:GLY:HA2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:655:GLY:HA3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:655:GLY:N | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:655:GLY:O | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:C | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:CA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:CB | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:CD1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:CD2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:CE1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:CE2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:CG | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:CZ | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:H | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:HA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:HB2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:HB3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:HD1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:HD2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:HE1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:HE2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:HZ | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:N | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:O | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:C | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:CA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:CB | 1 | 1.2 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:H | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:HA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:HB3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:N | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:O | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:O1P | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:O2P | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:O3P | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:OG | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:P | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:C | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:CA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:CB | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:CD1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:CD2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:CE1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:CE2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:CG | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:CZ | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:H | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:HA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:HB2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:HB3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:HD1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:HD2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:HE1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:HE2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:HH | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:N | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:O | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:OH | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:659:NH2:HN1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:659:NH2:HN2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:659:NH2:N | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:648:ACE:C | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:648:ACE:CH3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:648:ACE:H1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:648:ACE:H2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:648:ACE:H3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:648:ACE:O | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:C | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:CA | 1 | 1.2 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:CB | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:CG | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:H | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:HA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:HB2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:HB3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:N | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:O | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:OD1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:OD2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:C | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:CA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:CB | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:CD | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:CG | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:H | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:HA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:HB2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:HB3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:HE21 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:HE22 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:HG2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:HG3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:N | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:NE2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:O | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:OE1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:C | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:CA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:CB | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:H | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:HA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:HB2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:HB3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:HG | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:N | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:O | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:OG | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:C | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:CA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:CB | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:CG | 1 | 1.2 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:H | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:HA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:HB2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:HB3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:N | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:O | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:OD1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:OD2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:C | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:CA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:CB | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:CD1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:CD2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:CE1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:CE2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:CG | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:CZ | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:H | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:HA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:HB2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:HB3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:HD1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:HD2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:HE1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:HE2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:HZ | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:N | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:O | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:C | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:CA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:CB | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:CD | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:CG | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:H | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:HA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:HB2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:HB3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:HG2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:HG3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:N | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:O | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:OE1 | 1 | 1.2 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:OE2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:655:GLY:C | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:655:GLY:CA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:655:GLY:H | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:655:GLY:HA2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:655:GLY:HA3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:655:GLY:N | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:655:GLY:O | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:C | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:CA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:CB | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:CD1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:CD2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:CE1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:CE2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:CG | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:CZ | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:H | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:HA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:HB2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:HB3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:HD1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:HD2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:HE1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:HE2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:HZ | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:N | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:O | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:C | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:CA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:CB | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:H | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:HA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:HB3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:N | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:O | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:O1P | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:O2P | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:O3P | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:OG | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:P | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:C | 1 | 1.2 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:CA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:CB | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:CD1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:CD2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:CE1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:CE2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:CG | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:CZ | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:H | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:HA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:HB2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:HB3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:HD1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:HD2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:HE1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:HE2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:HH | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:N | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:O | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:OH | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:659:NH2:HN1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:659:NH2:HN2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:659:NH2:N | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:648:ACE:C | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:648:ACE:CH3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:648:ACE:H1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:648:ACE:H2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:648:ACE:H3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:648:ACE:O | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:C | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:CA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:CB | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:CG | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:H | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:HA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:HB2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:HB3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:N | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:O | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:OD1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:OD2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:C | 1 | 1.2 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:CA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:CB | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:CD | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:CG | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:H | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:HA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:HB2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:HB3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:HE21 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:HE22 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:HG2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:HG3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:N | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:NE2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:O | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:OE1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:C | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:CA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:CB | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:H | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:HA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:HB2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:HB3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:HG | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:N | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:O | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:OG | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:C | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:CA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:CB | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:CG | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:H | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:HA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:HB2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:HB3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:N | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:O | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:OD1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:OD2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:C | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:CA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:CB | 1 | 1.2 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:CD1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:CD2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:CE1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:CE2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:CG | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:CZ | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:H | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:HA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:HB2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:HB3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:HD1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:HD2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:HE1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:HE2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:HZ | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:N | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:O | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:C | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:CA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:CB | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:CD | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:CG | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:H | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:HA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:HB2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:HB3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:HG2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:HG3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:N | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:O | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:OE1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:OE2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:655:GLY:C | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:655:GLY:CA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:655:GLY:H | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:655:GLY:HA2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:655:GLY:HA3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:655:GLY:N | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:655:GLY:O | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:C | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:CA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:CB | 1 | 1.2 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:CD1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:CD2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:CE1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:CE2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:CG | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:CZ | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:H | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:HA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:HB2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:HB3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:HD1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:HD2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:HE1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:HE2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:HZ | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:N | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:O | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:C | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:CA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:CB | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:H | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:HA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:HB3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:N | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:O | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:O1P | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:O2P | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:O3P | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:OG | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:P | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:C | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:CA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:CB | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:CD1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:CD2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:CE1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:CE2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:CG | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:CZ | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:H | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:HA | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:HB2 | 1 | 1.2 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:HB3 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:HD1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:HD2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:HE1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:HE2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:HH | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:N | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:O | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:OH | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:659:NH2:HN1 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:659:NH2:HN2 | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:659:NH2:N | 1 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:648:ACE:C | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:648:ACE:CH3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:648:ACE:H1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:648:ACE:H2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:648:ACE:H3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:648:ACE:O | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:C | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:CA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:CB | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:CG | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:H | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:HA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:HB2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:HB3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:N | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:O | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:OD1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:OD2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:C | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:CA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:CB | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:CD | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:CG | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:H | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:HA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:HB2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:HB3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:HE21 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:HE22 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:HG2 | 3 | 1.2 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:HG3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:N | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:NE2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:O | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:OE1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:C | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:CA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:CB | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:H | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:HA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:HB2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:HB3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:HG | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:N | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:O | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:OG | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:C | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:CA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:CB | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:CG | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:H | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:HA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:HB2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:HB3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:N | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:O | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:OD1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:OD2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:C | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:CA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:CB | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:CD1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:CD2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:CE1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:CE2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:CG | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:CZ | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:H | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:HA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:HB2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:HB3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:HD1 | 3 | 1.2 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:HD2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:HE1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:HE2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:HZ | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:N | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:O | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:C | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:CA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:CB | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:CD | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:CG | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:H | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:HA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:HB2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:HB3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:HG2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:HG3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:N | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:O | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:OE1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:OE2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:655:GLY:C | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:655:GLY:CA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:655:GLY:H | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:655:GLY:HA2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:655:GLY:HA3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:655:GLY:N | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:655:GLY:O | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:C | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:CA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:CB | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:CD1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:CD2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:CE1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:CE2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:CG | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:CZ | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:H | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:HA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:HB2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:HB3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:HD1 | 3 | 1.2 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:HD2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:HE1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:HE2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:HZ | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:N | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:O | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:C | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:CA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:CB | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:H | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:HA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:HB3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:N | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:O | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:O1P | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:O2P | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:O3P | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:OG | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:P | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:C | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:CA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:CB | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:CD1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:CD2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:CE1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:CE2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:CG | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:CZ | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:H | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:HA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:HB2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:HB3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:HD1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:HD2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:HE1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:HE2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:HH | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:N | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:O | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:OH | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:659:NH2:HN1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:659:NH2:HN2 | 3 | 1.2 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:C | 2:B:659:NH2:N | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:648:ACE:C | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:648:ACE:CH3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:648:ACE:H1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:648:ACE:H2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:648:ACE:H3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:648:ACE:O | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:C | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:CA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:CB | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:CG | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:H | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:HA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:HB2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:HB3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:N | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:O | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:OD1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:OD2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:C | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:CA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:CB | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:CD | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:CG | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:H | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:HA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:HB2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:HB3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:HE21 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:HE22 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:HG2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:HG3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:N | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:NE2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:O | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:OE1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:C | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:CA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:CB | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:H | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:HA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:HB2 | 3 | 1.2 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:HB3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:HG | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:N | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:O | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:OG | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:C | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:CA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:CB | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:CG | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:H | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:HA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:HB2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:HB3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:N | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:O | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:OD1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:OD2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:C | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:CA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:CB | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:CD1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:CD2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:CE1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:CE2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:CG | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:CZ | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:H | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:HA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:HB2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:HB3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:HD1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:HD2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:HE1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:HE2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:HZ | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:N | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:O | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:C | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:CA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:CB | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:CD | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:CG | 3 | 1.2 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:H | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:HA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:HB2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:HB3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:HG2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:HG3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:N | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:O | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:OE1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:OE2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:655:GLY:C | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:655:GLY:CA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:655:GLY:H | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:655:GLY:HA2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:655:GLY:HA3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:655:GLY:N | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:655:GLY:O | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:C | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:CA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:CB | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:CD1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:CD2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:CE1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:CE2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:CG | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:CZ | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:H | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:HA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:HB2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:HB3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:HD1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:HD2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:HE1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:HE2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:HZ | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:N | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:O | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:C | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:CA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:CB | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:H | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:HA | 3 | 1.2 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:HB3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:N | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:O | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:O1P | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:O2P | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:O3P | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:OG | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:P | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:C | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:CA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:CB | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:CD1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:CD2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:CE1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:CE2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:CG | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:CZ | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:H | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:HA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:HB2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:HB3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:HD1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:HD2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:HE1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:HE2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:HH | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:N | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:O | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:OH | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:659:NH2:HN1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:659:NH2:HN2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:659:NH2:N | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:648:ACE:C | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:648:ACE:CH3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:648:ACE:H1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:648:ACE:H2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:648:ACE:H3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:648:ACE:O | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:C | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:CA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:CB | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:CG | 3 | 1.2 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:H | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:HA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:HB2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:HB3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:N | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:O | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:OD1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:OD2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:C | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:CA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:CB | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:CD | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:CG | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:H | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:HA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:HB2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:HB3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:HE21 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:HE22 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:HG2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:HG3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:N | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:NE2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:O | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:OE1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:C | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:CA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:CB | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:H | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:HA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:HB2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:HB3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:HG | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:N | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:O | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:OG | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:C | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:CA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:CB | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:CG | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:H | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:HA | 3 | 1.2 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:HB2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:HB3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:N | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:O | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:OD1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:OD2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:C | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:CA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:CB | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:CD1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:CD2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:CE1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:CE2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:CG | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:CZ | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:H | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:HA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:HB2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:HB3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:HD1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:HD2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:HE1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:HE2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:HZ | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:N | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:O | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:C | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:CA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:CB | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:CD | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:CG | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:H | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:HA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:HB2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:HB3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:HG2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:HG3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:N | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:O | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:OE1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:OE2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:655:GLY:C | 3 | 1.2 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CB | 2:B:655:GLY:CA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:655:GLY:H | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:655:GLY:HA2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:655:GLY:HA3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:655:GLY:N | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:655:GLY:O | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:C | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:CA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:CB | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:CD1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:CD2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:CE1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:CE2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:CG | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:CZ | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:H | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:HA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:HB2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:HB3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:HD1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:HD2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:HE1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:HE2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:HZ | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:N | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:O | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:C | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:CA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:CB | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:H | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:HA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:HB3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:N | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:O | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:O1P | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:O2P | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:O3P | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:OG | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:P | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:C | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:CA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:CB | 3 | 1.2 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:CD1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:CD2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:CE1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:CE2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:CG | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:CZ | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:H | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:HA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:HB2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:HB3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:HD1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:HD2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:HE1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:HE2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:HH | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:N | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:O | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:OH | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:659:NH2:HN1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:659:NH2:HN2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:659:NH2:N | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:648:ACE:C | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:648:ACE:CH3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:648:ACE:H1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:648:ACE:H2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:648:ACE:H3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:648:ACE:O | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:C | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:CA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:CB | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:CG | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:H | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:HA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:HB2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:HB3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:N | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:O | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:OD1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:OD2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:C | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:CA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:CB | 3 | 1.2 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:CD | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:CG | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:H | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:HA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:HB2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:HB3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:HE21 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:HE22 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:HG2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:HG3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:N | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:NE2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:O | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:OE1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:C | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:CA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:CB | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:H | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:HA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:HB2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:HB3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:HG | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:N | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:O | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:OG | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:C | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:CA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:CB | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:CG | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:H | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:HA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:HB2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:HB3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:N | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:O | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:OD1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:OD2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:C | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:CA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:CB | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:CD1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:CD2 | 3 | 1.2 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:CE1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:CE2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:CG | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:CZ | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:H | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:HA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:HB2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:HB3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:HD1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:HD2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:HE1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:HE2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:HZ | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:N | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:O | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:C | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:CA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:CB | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:CD | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:CG | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:H | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:HA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:HB2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:HB3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:HG2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:HG3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:N | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:O | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:OE1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:OE2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:655:GLY:C | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:655:GLY:CA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:655:GLY:H | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:655:GLY:HA2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:655:GLY:HA3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:655:GLY:N | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:655:GLY:O | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:C | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:CA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:CB | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:CD1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:CD2 | 3 | 1.2 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:CE1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:CE2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:CG | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:CZ | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:H | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:HA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:HB2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:HB3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:HD1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:HD2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:HE1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:HE2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:HZ | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:N | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:O | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:C | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:CA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:CB | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:H | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:HA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:HB3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:N | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:O | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:O1P | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:O2P | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:O3P | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:OG | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:P | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:C | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:CA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:CB | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:CD1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:CD2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:CE1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:CE2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:CG | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:CZ | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:H | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:HA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:HB2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:HB3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:HD1 | 3 | 1.2 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:HD2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:HE1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:HE2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:HH | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:N | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:O | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:OH | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:659:NH2:HN1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:659:NH2:HN2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:659:NH2:N | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:648:ACE:C | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:648:ACE:CH3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:648:ACE:H1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:648:ACE:H2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:648:ACE:H3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:648:ACE:O | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:C | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:CA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:CB | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:CG | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:H | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:HA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:HB2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:HB3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:N | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:O | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:OD1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:OD2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:C | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:CA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:CB | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:CD | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:CG | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:H | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:HA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:HB2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:HB3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:HE21 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:HE22 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:HG2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:HG3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:N | 3 | 1.2 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:NE2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:O | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:OE1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:C | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:CA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:CB | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:H | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:HA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:HB2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:HB3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:HG | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:N | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:O | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:OG | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:C | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:CA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:CB | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:CG | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:H | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:HA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:HB2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:HB3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:N | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:O | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:OD1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:OD2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:C | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:CA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:CB | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:CD1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:CD2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:CE1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:CE2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:CG | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:CZ | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:H | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:HA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:HB2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:HB3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:HD1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:HD2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:HE1 | 3 | 1.2 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:HE2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:HZ | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:N | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:O | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:C | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:CA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:CB | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:CD | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:CG | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:H | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:HA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:HB2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:HB3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:HG2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:HG3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:N | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:O | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:OE1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:OE2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:655:GLY:C | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:655:GLY:CA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:655:GLY:H | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:655:GLY:HA2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:655:GLY:HA3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:655:GLY:N | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:655:GLY:O | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:C | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:CA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:CB | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:CD1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:CD2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:CE1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:CE2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:CG | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:CZ | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:H | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:HA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:HB2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:HB3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:HD1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:HD2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:HE1 | 3 | 1.2 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:HE2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:HZ | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:N | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:O | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:C | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:CA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:CB | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:H | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:HA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:HB3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:N | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:O | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:O1P | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:O2P | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:O3P | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:OG | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:P | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:C | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:CA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:CB | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:CD1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:CD2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:CE1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:CE2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:CG | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:CZ | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:H | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:HA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:HB2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:HB3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:HD1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:HD2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:HE1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:HE2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:HH | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:N | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:O | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:OH | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:659:NH2:HN1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:659:NH2:HN2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:659:NH2:N | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:648:ACE:C | 3 | 1.2 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HA | 2:B:648:ACE:CH3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:648:ACE:H1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:648:ACE:H2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:648:ACE:H3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:648:ACE:O | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:C | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:CA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:CB | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:CG | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:H | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:HA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:HB2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:HB3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:N | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:O | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:OD1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:OD2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:C | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:CA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:CB | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:CD | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:CG | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:H | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:HA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:HB2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:HB3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:HE21 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:HE22 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:HG2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:HG3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:N | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:NE2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:O | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:OE1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:C | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:CA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:CB | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:H | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:HA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:HB2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:HB3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:HG | 3 | 1.2 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:N | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:O | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:OG | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:C | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:CA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:CB | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:CG | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:H | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:HA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:HB2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:HB3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:N | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:O | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:OD1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:OD2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:C | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:CA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:CB | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:CD1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:CD2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:CE1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:CE2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:CG | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:CZ | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:H | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:HA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:HB2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:HB3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:HD1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:HD2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:HE1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:HE2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:HZ | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:N | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:O | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:C | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:CA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:CB | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:CD | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:CG | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:H | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:HA | 3 | 1.2 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:HB2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:HB3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:HG2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:HG3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:N | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:O | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:OE1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:OE2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:655:GLY:C | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:655:GLY:CA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:655:GLY:H | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:655:GLY:HA2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:655:GLY:HA3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:655:GLY:N | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:655:GLY:O | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:C | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:CA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:CB | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:CD1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:CD2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:CE1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:CE2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:CG | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:CZ | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:H | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:HA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:HB2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:HB3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:HD1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:HD2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:HE1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:HE2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:HZ | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:N | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:O | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:C | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:CA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:CB | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:H | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:HA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:HB3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:N | 3 | 1.2 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:O | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:O1P | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:O2P | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:O3P | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:OG | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:P | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:C | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:CA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:CB | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:CD1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:CD2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:CE1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:CE2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:CG | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:CZ | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:H | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:HA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:HB2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:HB3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:HD1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:HD2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:HE1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:HE2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:HH | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:N | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:O | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:OH | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:659:NH2:HN1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:659:NH2:HN2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:659:NH2:N | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:648:ACE:C | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:648:ACE:CH3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:648:ACE:H1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:648:ACE:H2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:648:ACE:H3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:648:ACE:O | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:C | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:CA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:CB | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:CG | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:H | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:HA | 3 | 1.2 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:HB2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:HB3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:N | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:O | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:OD1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:OD2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:C | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:CA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:CB | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:CD | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:CG | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:H | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:HA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:HB2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:HB3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:HE21 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:HE22 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:HG2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:HG3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:N | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:NE2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:O | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:OE1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:C | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:CA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:CB | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:H | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:HA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:HB2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:HB3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:HG | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:N | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:O | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:OG | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:C | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:CA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:CB | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:CG | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:H | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:HA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:HB2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:HB3 | 3 | 1.2 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:N | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:O | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:OD1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:OD2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:C | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:CA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:CB | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:CD1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:CD2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:CE1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:CE2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:CG | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:CZ | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:H | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:HA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:HB2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:HB3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:HD1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:HD2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:HE1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:HE2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:HZ | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:N | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:O | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:C | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:CA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:CB | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:CD | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:CG | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:H | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:HA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:HB2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:HB3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:HG2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:HG3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:N | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:O | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:OE1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:OE2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:655:GLY:C | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:655:GLY:CA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:655:GLY:H | 3 | 1.2 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HB2 | 2:B:655:GLY:HA2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:655:GLY:HA3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:655:GLY:N | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:655:GLY:O | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:C | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:CA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:CB | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:CD1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:CD2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:CE1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:CE2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:CG | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:CZ | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:H | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:HA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:HB2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:HB3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:HD1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:HD2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:HE1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:HE2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:HZ | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:N | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:O | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:C | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:CA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:CB | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:H | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:HA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:HB3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:N | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:O | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:O1P | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:O2P | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:O3P | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:OG | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:P | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:C | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:CA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:CB | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:CD1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:CD2 | 3 | 1.2 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:CE1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:CE2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:CG | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:CZ | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:H | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:HA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:HB2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:HB3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:HD1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:HD2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:HE1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:HE2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:HH | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:N | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:O | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:OH | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:659:NH2:HN1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:659:NH2:HN2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:659:NH2:N | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:648:ACE:C | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:648:ACE:CH3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:648:ACE:H1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:648:ACE:H2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:648:ACE:H3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:648:ACE:O | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:C | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:CA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:CB | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:CG | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:H | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:HA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:HB2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:HB3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:N | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:O | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:OD1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:OD2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:C | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:CA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:CB | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:CD | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:CG | 3 | 1.2 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:H | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:HA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:HB2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:HB3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:HE21 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:HE22 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:HG2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:HG3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:N | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:NE2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:O | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:OE1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:C | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:CA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:CB | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:H | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:HA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:HB2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:HB3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:HG | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:N | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:O | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:OG | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:C | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:CA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:CB | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:CG | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:H | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:HA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:HB2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:HB3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:N | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:O | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:OD1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:OD2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:C | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:CA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:CB | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:CD1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:CD2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:CE1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:CE2 | 3 | 1.2 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:CG | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:CZ | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:H | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:HA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:HB2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:HB3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:HD1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:HD2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:HE1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:HE2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:HZ | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:N | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:O | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:C | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:CA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:CB | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:CD | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:CG | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:H | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:HA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:HB2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:HB3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:HG2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:HG3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:N | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:O | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:OE1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:OE2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:655:GLY:C | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:655:GLY:CA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:655:GLY:H | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:655:GLY:HA2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:655:GLY:HA3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:655:GLY:N | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:655:GLY:O | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:C | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:CA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:CB | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:CD1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:CD2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:CE1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:CE2 | 3 | 1.2 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:CG | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:CZ | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:H | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:HA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:HB2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:HB3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:HD1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:HD2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:HE1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:HE2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:HZ | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:N | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:O | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:C | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:CA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:CB | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:H | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:HA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:HB3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:N | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:O | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:O1P | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:O2P | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:O3P | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:OG | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:P | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:C | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:CA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:CB | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:CD1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:CD2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:CE1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:CE2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:CG | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:CZ | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:H | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:HA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:HB2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:HB3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:HD1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:HD2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:HE1 | 3 | 1.2 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:HE2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:HH | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:N | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:O | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:OH | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:659:NH2:HN1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:659:NH2:HN2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:659:NH2:N | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:648:ACE:C | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:648:ACE:CH3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:648:ACE:H1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:648:ACE:H2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:648:ACE:H3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:648:ACE:O | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:C | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:CA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:CB | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:CG | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:H | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:HA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:HB2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:HB3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:N | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:O | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:OD1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:OD2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:C | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:CA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:CB | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:CD | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:CG | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:H | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:HA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:HB2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:HB3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:HE21 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:HE22 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:HG2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:HG3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:N | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:NE2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:O | 3 | 1.2 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:OE1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:C | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:CA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:CB | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:H | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:HA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:HB2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:HB3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:HG | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:N | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:O | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:OG | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:C | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:CA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:CB | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:CG | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:H | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:HA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:HB2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:HB3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:N | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:O | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:OD1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:OD2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:C | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:CA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:CB | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:CD1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:CD2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:CE1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:CE2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:CG | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:CZ | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:H | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:HA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:HB2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:HB3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:HD1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:HD2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:HE1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:HE2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:HZ | 3 | 1.2 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:N | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:O | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:C | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:CA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:CB | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:CD | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:CG | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:H | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:HA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:HB2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:HB3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:HG2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:HG3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:N | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:O | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:OE1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:OE2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:655:GLY:C | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:655:GLY:CA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:655:GLY:H | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:655:GLY:HA2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:655:GLY:HA3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:655:GLY:N | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:655:GLY:O | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:C | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:CA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:CB | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:CD1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:CD2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:CE1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:CE2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:CG | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:CZ | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:H | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:HA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:HB2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:HB3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:HD1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:HD2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:HE1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:HE2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:HZ | 3 | 1.2 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:N | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:O | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:C | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:CA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:CB | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:H | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:HA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:HB3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:N | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:O | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:O1P | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:O2P | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:O3P | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:OG | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:P | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:C | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:CA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:CB | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:CD1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:CD2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:CE1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:CE2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:CG | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:CZ | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:H | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:HA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:HB2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:HB3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:HD1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:HD2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:HE1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:HE2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:HH | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:N | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:O | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:OH | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:659:NH2:HN1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:659:NH2:HN2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:659:NH2:N | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:648:ACE:C | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:648:ACE:CH3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:648:ACE:H1 | 3 | 1.2 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HD22 | 2:B:648:ACE:H2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:648:ACE:H3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:648:ACE:O | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:C | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:CA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:CB | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:CG | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:H | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:HA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:HB2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:HB3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:N | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:O | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:OD1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:OD2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:C | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:CA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:CB | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:CD | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:CG | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:H | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:HA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:HB2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:HB3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:HE21 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:HE22 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:HG2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:HG3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:N | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:NE2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:O | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:OE1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:C | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:CA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:CB | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:H | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:HA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:HB2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:HB3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:HG | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:N | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:O | 3 | 1.2 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:OG | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:C | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:CA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:CB | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:CG | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:H | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:HA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:HB2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:HB3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:N | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:O | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:OD1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:OD2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:C | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:CA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:CB | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:CD1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:CD2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:CE1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:CE2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:CG | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:CZ | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:H | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:HA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:HB2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:HB3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:HD1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:HD2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:HE1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:HE2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:HZ | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:N | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:O | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:C | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:CA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:CB | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:CD | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:CG | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:H | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:HA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:HB2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:HB3 | 3 | 1.2 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:HG2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:HG3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:N | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:O | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:OE1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:OE2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:655:GLY:C | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:655:GLY:CA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:655:GLY:H | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:655:GLY:HA2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:655:GLY:HA3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:655:GLY:N | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:655:GLY:O | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:C | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:CA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:CB | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:CD1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:CD2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:CE1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:CE2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:CG | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:CZ | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:H | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:HA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:HB2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:HB3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:HD1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:HD2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:HE1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:HE2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:HZ | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:N | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:O | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:C | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:CA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:CB | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:H | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:HA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:HB3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:N | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:O | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:O1P | 3 | 1.2 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:O2P | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:O3P | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:OG | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:P | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:C | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:CA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:CB | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:CD1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:CD2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:CE1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:CE2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:CG | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:CZ | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:H | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:HA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:HB2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:HB3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:HD1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:HD2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:HE1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:HE2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:HH | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:N | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:O | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:OH | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:659:NH2:HN1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:659:NH2:HN2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:659:NH2:N | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:648:ACE:C | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:648:ACE:CH3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:648:ACE:H1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:648:ACE:H2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:648:ACE:H3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:648:ACE:O | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:C | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:CA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:CB | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:CG | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:H | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:HA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:HB2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:HB3 | 3 | 1.2 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:N | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:O | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:OD1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:OD2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:C | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:CA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:CB | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:CD | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:CG | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:H | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:HA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:HB2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:HB3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:HE21 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:HE22 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:HG2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:HG3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:N | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:NE2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:O | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:OE1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:C | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:CA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:CB | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:H | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:HA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:HB2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:HB3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:HG | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:N | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:O | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:OG | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:C | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:CA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:CB | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:CG | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:H | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:HA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:HB2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:HB3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:N | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:O | 3 | 1.2 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:OD1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:OD2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:C | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:CA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:CB | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:CD1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:CD2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:CE1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:CE2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:CG | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:CZ | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:H | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:HA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:HB2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:HB3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:HD1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:HD2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:HE1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:HE2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:HZ | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:N | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:O | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:C | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:CA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:CB | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:CD | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:CG | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:H | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:HA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:HB2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:HB3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:HG2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:HG3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:N | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:O | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:OE1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:OE2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:655:GLY:C | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:655:GLY:CA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:655:GLY:H | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:655:GLY:HA2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:655:GLY:HA3 | 3 | 1.2 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:N | 2:B:655:GLY:N | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:655:GLY:O | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:C | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:CA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:CB | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:CD1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:CD2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:CE1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:CE2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:CG | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:CZ | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:H | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:HA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:HB2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:HB3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:HD1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:HD2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:HE1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:HE2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:HZ | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:N | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:O | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:C | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:CA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:CB | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:H | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:HA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:HB3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:N | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:O | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:O1P | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:O2P | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:O3P | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:OG | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:P | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:C | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:CA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:CB | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:CD1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:CD2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:CE1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:CE2 | 3 | 1.2 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:CG | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:CZ | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:H | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:HA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:HB2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:HB3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:HD1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:HD2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:HE1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:HE2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:HH | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:N | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:O | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:OH | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:659:NH2:HN1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:659:NH2:HN2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:659:NH2:N | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:648:ACE:C | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:648:ACE:CH3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:648:ACE:H1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:648:ACE:H2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:648:ACE:H3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:648:ACE:O | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:C | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:CA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:CB | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:CG | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:H | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:HA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:HB2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:HB3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:N | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:O | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:OD1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:OD2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:C | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:CA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:CB | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:CD | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:CG | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:H | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:HA | 3 | 1.2 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:HB2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:HB3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:HE21 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:HE22 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:HG2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:HG3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:N | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:NE2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:O | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:OE1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:C | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:CA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:CB | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:H | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:HA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:HB2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:HB3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:HG | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:N | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:O | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:OG | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:C | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:CA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:CB | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:CG | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:H | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:HA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:HB2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:HB3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:N | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:O | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:OD1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:OD2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:C | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:CA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:CB | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:CD1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:CD2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:CE1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:CE2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:CG | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:CZ | 3 | 1.2 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:H | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:HA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:HB2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:HB3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:HD1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:HD2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:HE1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:HE2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:HZ | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:N | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:O | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:C | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:CA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:CB | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:CD | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:CG | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:H | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:HA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:HB2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:HB3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:HG2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:HG3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:N | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:O | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:OE1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:OE2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:655:GLY:C | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:655:GLY:CA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:655:GLY:H | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:655:GLY:HA2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:655:GLY:HA3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:655:GLY:N | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:655:GLY:O | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:C | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:CA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:CB | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:CD1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:CD2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:CE1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:CE2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:CG | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:CZ | 3 | 1.2 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:H | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:HA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:HB2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:HB3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:HD1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:HD2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:HE1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:HE2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:HZ | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:N | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:O | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:C | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:CA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:CB | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:H | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:HA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:HB3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:N | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:O | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:O1P | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:O2P | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:O3P | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:OG | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:P | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:C | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:CA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:CB | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:CD1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:CD2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:CE1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:CE2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:CG | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:CZ | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:H | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:HA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:HB2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:HB3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:HD1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:HD2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:HE1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:HE2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:HH | 3 | 1.2 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:N | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:O | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:OH | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:659:NH2:HN1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:659:NH2:HN2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:659:NH2:N | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:648:ACE:C | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:648:ACE:CH3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:648:ACE:H1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:648:ACE:H2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:648:ACE:H3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:648:ACE:O | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:C | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:CA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:CB | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:CG | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:H | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:HA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:HB2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:HB3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:N | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:O | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:OD1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:OD2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:C | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:CA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:CB | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:CD | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:CG | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:H | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:HA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:HB2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:HB3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:HE21 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:HE22 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:HG2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:HG3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:N | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:NE2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:O | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:OE1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:C | 3 | 1.2 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:CA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:CB | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:H | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:HA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:HB2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:HB3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:HG | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:N | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:O | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:OG | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:C | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:CA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:CB | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:CG | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:H | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:HA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:HB2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:HB3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:N | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:O | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:OD1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:OD2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:C | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:CA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:CB | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:CD1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:CD2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:CE1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:CE2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:CG | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:CZ | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:H | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:HA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:HB2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:HB3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:HD1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:HD2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:HE1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:HE2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:HZ | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:N | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:O | 3 | 1.2 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:C | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:CA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:CB | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:CD | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:CG | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:H | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:HA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:HB2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:HB3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:HG2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:HG3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:N | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:O | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:OE1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:OE2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:655:GLY:C | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:655:GLY:CA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:655:GLY:H | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:655:GLY:HA2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:655:GLY:HA3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:655:GLY:N | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:655:GLY:O | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:C | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:CA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:CB | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:CD1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:CD2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:CE1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:CE2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:CG | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:CZ | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:H | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:HA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:HB2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:HB3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:HD1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:HD2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:HE1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:HE2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:HZ | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:N | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:O | 3 | 1.2 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:C | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:CA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:CB | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:H | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:HA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:HB3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:N | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:O | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:O1P | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:O2P | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:O3P | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:OG | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:P | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:C | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:CA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:CB | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:CD1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:CD2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:CE1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:CE2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:CG | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:CZ | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:H | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:HA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:HB2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:HB3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:HD1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:HD2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:HE1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:HE2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:HH | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:N | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:O | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:OH | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:659:NH2:HN1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:659:NH2:HN2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:659:NH2:N | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:648:ACE:C | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:648:ACE:CH3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:648:ACE:H1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:648:ACE:H2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:648:ACE:H3 | 3 | 1.2 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:OD1 | 2:B:648:ACE:O | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:C | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:CA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:CB | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:CG | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:H | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:HA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:HB2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:HB3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:N | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:O | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:OD1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:OD2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:C | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:CA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:CB | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:CD | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:CG | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:H | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:HA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:HB2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:HB3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:HE21 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:HE22 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:HG2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:HG3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:N | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:NE2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:O | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:OE1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:C | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:CA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:CB | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:H | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:HA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:HB2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:HB3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:HG | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:N | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:O | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:OG | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:C | 3 | 1.2 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:CA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:CB | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:CG | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:H | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:HA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:HB2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:HB3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:N | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:O | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:OD1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:OD2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:C | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:CA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:CB | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:CD1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:CD2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:CE1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:CE2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:CG | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:CZ | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:H | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:HA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:HB2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:HB3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:HD1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:HD2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:HE1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:HE2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:HZ | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:N | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:O | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:C | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:CA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:CB | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:CD | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:CG | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:H | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:HA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:HB2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:HB3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:HG2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:HG3 | 3 | 1.2 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:N | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:O | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:OE1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:OE2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:655:GLY:C | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:655:GLY:CA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:655:GLY:H | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:655:GLY:HA2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:655:GLY:HA3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:655:GLY:N | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:655:GLY:O | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:C | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:CA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:CB | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:CD1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:CD2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:CE1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:CE2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:CG | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:CZ | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:H | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:HA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:HB2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:HB3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:HD1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:HD2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:HE1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:HE2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:HZ | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:N | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:O | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:C | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:CA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:CB | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:H | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:HA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:HB3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:N | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:O | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:O1P | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:O2P | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:O3P | 3 | 1.2 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:OG | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:P | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:C | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:CA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:CB | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:CD1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:CD2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:CE1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:CE2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:CG | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:CZ | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:H | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:HA | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:HB2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:HB3 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:HD1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:HD2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:HE1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:HE2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:HH | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:N | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:O | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:OH | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:659:NH2:HN1 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:659:NH2:HN2 | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:659:NH2:N | 3 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:648:ACE:C | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:648:ACE:CH3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:648:ACE:H1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:648:ACE:H2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:648:ACE:H3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:648:ACE:O | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:C | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:CA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:CB | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:CG | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:H | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:HA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:HB2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:HB3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:N | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:O | 17 | 1.2 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:OD1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:OD2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:C | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:CA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:CB | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:CD | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:CG | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:H | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:HA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:HB2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:HB3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:HE21 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:HE22 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:HG2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:HG3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:N | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:NE2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:O | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:OE1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:C | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:CA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:CB | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:H | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:HA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:HB2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:HB3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:HG | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:N | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:O | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:OG | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:C | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:CA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:CB | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:CG | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:H | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:HA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:HB2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:HB3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:N | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:O | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:OD1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:OD2 | 17 | 1.2 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:C | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:CA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:CB | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:CD1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:CD2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:CE1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:CE2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:CG | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:CZ | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:H | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:HA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:HB2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:HB3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:HD1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:HD2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:HE1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:HE2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:HZ | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:N | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:O | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:C | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:CA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:CB | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:CD | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:CG | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:H | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:HA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:HB2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:HB3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:HG2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:HG3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:N | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:O | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:OE1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:OE2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:655:GLY:C | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:655:GLY:CA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:655:GLY:H | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:655:GLY:HA2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:655:GLY:HA3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:655:GLY:N | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:655:GLY:O | 17 | 1.2 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:C | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:CA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:CB | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:CD1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:CD2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:CE1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:CE2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:CG | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:CZ | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:H | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:HA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:HB2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:HB3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:HD1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:HD2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:HE1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:HE2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:HZ | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:N | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:O | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:C | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:CA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:CB | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:H | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:HA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:HB3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:N | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:O | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:O1P | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:O2P | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:O3P | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:OG | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:P | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:C | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:CA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:CB | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:CD1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:CD2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:CE1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:CE2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:CG | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:CZ | 17 | 1.2 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:H | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:HA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:HB2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:HB3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:HD1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:HD2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:HE1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:HE2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:HH | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:N | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:O | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:OH | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:659:NH2:HN1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:659:NH2:HN2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:659:NH2:N | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:648:ACE:C | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:648:ACE:CH3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:648:ACE:H1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:648:ACE:H2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:648:ACE:H3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:648:ACE:O | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:C | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:CA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:CB | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:CG | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:H | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:HA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:HB2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:HB3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:N | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:O | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:OD1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:OD2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:C | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:CA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:CB | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:CD | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:CG | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:H | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:HA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:HB2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:HB3 | 17 | 1.2 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:HE21 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:HE22 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:HG2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:HG3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:N | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:NE2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:O | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:OE1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:C | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:CA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:CB | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:H | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:HA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:HB2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:HB3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:HG | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:N | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:O | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:OG | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:C | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:CA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:CB | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:CG | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:H | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:HA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:HB2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:HB3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:N | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:O | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:OD1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:OD2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:C | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:CA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:CB | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:CD1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:CD2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:CE1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:CE2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:CG | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:CZ | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:H | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:HA | 17 | 1.2 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:HB2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:HB3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:HD1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:HD2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:HE1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:HE2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:HZ | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:N | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:O | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:C | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:CA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:CB | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:CD | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:CG | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:H | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:HA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:HB2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:HB3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:HG2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:HG3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:N | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:O | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:OE1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:OE2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:655:GLY:C | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:655:GLY:CA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:655:GLY:H | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:655:GLY:HA2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:655:GLY:HA3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:655:GLY:N | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:655:GLY:O | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:C | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:CA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:CB | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:CD1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:CD2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:CE1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:CE2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:CG | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:CZ | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:H | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:HA | 17 | 1.2 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:HB2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:HB3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:HD1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:HD2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:HE1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:HE2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:HZ | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:N | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:O | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:C | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:CA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:CB | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:H | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:HA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:HB3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:N | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:O | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:O1P | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:O2P | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:O3P | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:OG | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:P | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:C | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:CA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:CB | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:CD1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:CD2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:CE1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:CE2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:CG | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:CZ | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:H | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:HA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:HB2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:HB3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:HD1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:HD2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:HE1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:HE2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:HH | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:N | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:O | 17 | 1.2 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:OH | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:659:NH2:HN1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:659:NH2:HN2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CA | 2:B:659:NH2:N | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:648:ACE:C | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:648:ACE:CH3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:648:ACE:H1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:648:ACE:H2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:648:ACE:H3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:648:ACE:O | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:C | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:CA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:CB | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:CG | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:H | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:HA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:HB2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:HB3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:N | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:O | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:OD1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:OD2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:C | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:CA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:CB | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:CD | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:CG | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:H | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:HA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:HB2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:HB3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:HE21 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:HE22 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:HG2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:HG3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:N | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:NE2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:O | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:OE1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:C | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:CA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:CB | 17 | 1.2 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:H | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:HA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:HB2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:HB3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:HG | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:N | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:O | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:OG | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:C | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:CA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:CB | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:CG | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:H | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:HA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:HB2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:HB3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:N | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:O | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:OD1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:OD2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:C | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:CA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:CB | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:CD1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:CD2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:CE1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:CE2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:CG | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:CZ | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:H | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:HA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:HB2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:HB3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:HD1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:HD2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:HE1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:HE2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:HZ | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:N | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:O | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:C | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:CA | 17 | 1.2 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:CB | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:CD | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:CG | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:H | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:HA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:HB2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:HB3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:HG2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:HG3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:N | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:O | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:OE1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:OE2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:655:GLY:C | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:655:GLY:CA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:655:GLY:H | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:655:GLY:HA2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:655:GLY:HA3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:655:GLY:N | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:655:GLY:O | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:C | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:CA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:CB | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:CD1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:CD2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:CE1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:CE2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:CG | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:CZ | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:H | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:HA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:HB2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:HB3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:HD1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:HD2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:HE1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:HE2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:HZ | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:N | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:O | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:C | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:CA | 17 | 1.2 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:CB | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:H | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:HA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:HB3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:N | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:O | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:O1P | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:O2P | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:O3P | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:OG | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:P | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:C | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:CA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:CB | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:CD1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:CD2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:CE1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:CE2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:CG | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:CZ | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:H | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:HA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:HB2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:HB3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:HD1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:HD2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:HE1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:HE2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:HH | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:N | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:O | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:OH | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:659:NH2:HN1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:659:NH2:HN2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CB | 2:B:659:NH2:N | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:648:ACE:C | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:648:ACE:CH3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:648:ACE:H1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:648:ACE:H2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:648:ACE:H3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:648:ACE:O | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:C | 17 | 1.2 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:CA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:CB | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:CG | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:H | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:HA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:HB2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:HB3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:N | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:O | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:OD1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:OD2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:C | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:CA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:CB | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:CD | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:CG | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:H | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:HA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:HB2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:HB3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:HE21 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:HE22 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:HG2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:HG3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:N | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:NE2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:O | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:OE1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:C | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:CA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:CB | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:H | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:HA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:HB2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:HB3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:HG | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:N | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:O | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:OG | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:C | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:CA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:CB | 17 | 1.2 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:CG | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:H | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:HA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:HB2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:HB3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:N | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:O | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:OD1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:OD2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:C | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:CA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:CB | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:CD1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:CD2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:CE1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:CE2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:CG | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:CZ | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:H | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:HA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:HB2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:HB3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:HD1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:HD2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:HE1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:HE2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:HZ | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:N | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:O | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:C | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:CA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:CB | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:CD | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:CG | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:H | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:HA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:HB2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:HB3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:HG2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:HG3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:N | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:O | 17 | 1.2 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:OE1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:OE2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:655:GLY:C | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:655:GLY:CA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:655:GLY:H | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:655:GLY:HA2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:655:GLY:HA3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:655:GLY:N | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:655:GLY:O | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:C | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:CA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:CB | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:CD1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:CD2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:CE1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:CE2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:CG | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:CZ | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:H | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:HA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:HB2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:HB3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:HD1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:HD2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:HE1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:HE2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:HZ | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:N | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:O | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:C | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:CA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:CB | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:H | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:HA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:HB3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:N | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:O | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:O1P | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:O2P | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:O3P | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:OG | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:P | 17 | 1.2 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:C | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:CA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:CB | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:CD1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:CD2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:CE1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:CE2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:CG | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:CZ | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:H | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:HA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:HB2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:HB3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:HD1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:HD2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:HE1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:HE2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:HH | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:N | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:O | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:OH | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:659:NH2:HN1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:659:NH2:HN2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:CG | 2:B:659:NH2:N | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:648:ACE:C | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:648:ACE:CH3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:648:ACE:H1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:648:ACE:H2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:648:ACE:H3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:648:ACE:O | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:C | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:CA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:CB | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:CG | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:H | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:HA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:HB2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:HB3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:N | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:O | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:OD1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:OD2 | 17 | 1.2 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:C | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:CA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:CB | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:CD | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:CG | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:H | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:HA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:HB2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:HB3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:HE21 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:HE22 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:HG2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:HG3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:N | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:NE2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:O | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:OE1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:C | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:CA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:CB | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:H | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:HA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:HB2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:HB3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:HG | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:N | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:O | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:OG | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:C | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:CA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:CB | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:CG | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:H | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:HA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:HB2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:HB3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:N | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:O | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:OD1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:OD2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:C | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:CA | 17 | 1.2 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:CB | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:CD1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:CD2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:CE1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:CE2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:CG | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:CZ | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:H | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:HA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:HB2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:HB3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:HD1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:HD2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:HE1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:HE2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:HZ | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:N | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:O | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:C | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:CA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:CB | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:CD | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:CG | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:H | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:HA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:HB2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:HB3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:HG2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:HG3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:N | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:O | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:OE1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:OE2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:655:GLY:C | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:655:GLY:CA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:655:GLY:H | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:655:GLY:HA2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:655:GLY:HA3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:655:GLY:N | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:655:GLY:O | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:C | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:CA | 17 | 1.2 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:CB | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:CD1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:CD2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:CE1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:CE2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:CG | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:CZ | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:H | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:HA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:HB2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:HB3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:HD1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:HD2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:HE1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:HE2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:HZ | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:N | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:O | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:C | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:CA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:CB | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:H | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:HA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:HB3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:N | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:O | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:O1P | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:O2P | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:O3P | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:OG | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:P | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:C | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:CA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:CB | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:CD1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:CD2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:CE1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:CE2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:CG | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:CZ | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:H | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:HA | 17 | 1.2 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:HB2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:HB3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:HD1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:HD2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:HE1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:HE2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:HH | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:N | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:O | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:OH | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:659:NH2:HN1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:659:NH2:HN2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:H | 2:B:659:NH2:N | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:648:ACE:C | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:648:ACE:CH3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:648:ACE:H1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:648:ACE:H2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:648:ACE:H3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:648:ACE:O | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:C | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:CA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:CB | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:CG | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:H | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:HA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:HB2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:HB3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:N | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:O | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:OD1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:OD2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:C | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:CA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:CB | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:CD | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:CG | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:H | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:HA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:HB2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:HB3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:HE21 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:HE22 | 17 | 1.2 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:HG2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:HG3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:N | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:NE2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:O | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:OE1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:C | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:CA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:CB | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:H | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:HA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:HB2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:HB3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:HG | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:N | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:O | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:OG | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:C | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:CA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:CB | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:CG | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:H | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:HA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:HB2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:HB3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:N | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:O | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:OD1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:OD2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:C | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:CA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:CB | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:CD1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:CD2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:CE1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:CE2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:CG | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:CZ | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:H | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:HA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:HB2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:HB3 | 17 | 1.2 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:HD1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:HD2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:HE1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:HE2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:HZ | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:N | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:O | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:C | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:CA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:CB | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:CD | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:CG | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:H | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:HA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:HB2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:HB3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:HG2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:HG3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:N | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:O | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:OE1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:OE2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:655:GLY:C | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:655:GLY:CA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:655:GLY:H | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:655:GLY:HA2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:655:GLY:HA3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:655:GLY:N | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:655:GLY:O | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:C | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:CA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:CB | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:CD1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:CD2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:CE1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:CE2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:CG | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:CZ | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:H | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:HA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:HB2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:HB3 | 17 | 1.2 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:HD1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:HD2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:HE1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:HE2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:HZ | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:N | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:O | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:C | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:CA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:CB | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:H | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:HA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:HB3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:N | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:O | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:O1P | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:O2P | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:O3P | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:OG | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:P | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:C | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:CA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:CB | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:CD1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:CD2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:CE1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:CE2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:CG | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:CZ | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:H | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:HA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:HB2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:HB3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:HD1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:HD2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:HE1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:HE2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:HH | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:N | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:O | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:OH | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:659:NH2:HN1 | 17 | 1.2 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HA | 2:B:659:NH2:HN2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HA | 2:B:659:NH2:N | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:648:ACE:C | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:648:ACE:CH3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:648:ACE:H1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:648:ACE:H2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:648:ACE:H3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:648:ACE:O | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:C | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:CA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:CB | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:CG | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:H | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:HA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:HB2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:HB3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:N | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:O | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:OD1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:OD2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:C | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:CA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:CB | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:CD | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:CG | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:H | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:HA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:HB2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:HB3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:HE21 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:HE22 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:HG2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:HG3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:N | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:NE2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:O | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:OE1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:C | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:CA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:CB | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:H | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:HA | 17 | 1.2 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:HB2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:HB3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:HG | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:N | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:O | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:OG | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:C | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:CA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:CB | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:CG | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:H | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:HA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:HB2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:HB3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:N | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:O | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:OD1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:OD2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:C | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:CA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:CB | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:CD1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:CD2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:CE1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:CE2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:CG | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:CZ | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:H | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:HA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:HB2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:HB3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:HD1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:HD2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:HE1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:HE2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:HZ | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:N | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:O | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:C | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:CA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:CB | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:CD | 17 | 1.2 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:CG | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:H | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:HA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:HB2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:HB3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:HG2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:HG3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:N | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:O | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:OE1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:OE2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:655:GLY:C | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:655:GLY:CA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:655:GLY:H | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:655:GLY:HA2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:655:GLY:HA3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:655:GLY:N | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:655:GLY:O | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:C | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:CA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:CB | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:CD1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:CD2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:CE1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:CE2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:CG | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:CZ | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:H | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:HA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:HB2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:HB3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:HD1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:HD2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:HE1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:HE2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:HZ | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:N | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:O | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:C | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:CA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:CB | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:H | 17 | 1.2 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:HA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:HB3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:N | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:O | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:O1P | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:O2P | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:O3P | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:OG | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:P | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:C | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:CA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:CB | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:CD1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:CD2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:CE1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:CE2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:CG | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:CZ | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:H | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:HA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:HB2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:HB3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:HD1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:HD2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:HE1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:HE2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:HH | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:N | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:O | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:OH | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:659:NH2:HN1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:659:NH2:HN2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:659:NH2:N | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:648:ACE:C | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:648:ACE:CH3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:648:ACE:H1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:648:ACE:H2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:648:ACE:H3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:648:ACE:O | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:C | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:CA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:CB | 17 | 1.2 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:CG | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:H | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:HA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:HB2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:HB3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:N | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:O | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:OD1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:OD2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:C | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:CA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:CB | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:CD | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:CG | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:H | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:HA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:HB2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:HB3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:HE21 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:HE22 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:HG2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:HG3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:N | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:NE2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:O | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:OE1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:C | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:CA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:CB | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:H | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:HA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:HB2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:HB3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:HG | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:N | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:O | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:OG | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:C | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:CA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:CB | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:CG | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:H | 17 | 1.2 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:HA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:HB2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:HB3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:N | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:O | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:OD1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:OD2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:C | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:CA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:CB | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:CD1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:CD2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:CE1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:CE2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:CG | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:CZ | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:H | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:HA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:HB2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:HB3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:HD1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:HD2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:HE1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:HE2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:HZ | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:N | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:O | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:C | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:CA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:CB | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:CD | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:CG | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:H | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:HA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:HB2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:HB3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:HG2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:HG3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:N | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:O | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:OE1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:OE2 | 17 | 1.2 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HB3 | 2:B:655:GLY:C | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:655:GLY:CA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:655:GLY:H | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:655:GLY:HA2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:655:GLY:HA3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:655:GLY:N | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:655:GLY:O | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:C | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:CA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:CB | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:CD1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:CD2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:CE1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:CE2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:CG | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:CZ | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:H | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:HA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:HB2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:HB3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:HD1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:HD2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:HE1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:HE2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:HZ | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:N | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:O | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:C | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:CA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:CB | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:H | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:HA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:HB3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:N | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:O | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:O1P | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:O2P | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:O3P | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:OG | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:P | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:C | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:CA | 17 | 1.2 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:CB | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:CD1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:CD2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:CE1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:CE2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:CG | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:CZ | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:H | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:HA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:HB2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:HB3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:HD1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:HD2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:HE1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:HE2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:HH | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:N | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:O | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:OH | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:659:NH2:HN1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:659:NH2:HN2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:659:NH2:N | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:648:ACE:C | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:648:ACE:CH3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:648:ACE:H1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:648:ACE:H2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:648:ACE:H3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:648:ACE:O | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:C | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:CA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:CB | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:CG | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:H | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:HA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:HB2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:HB3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:N | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:O | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:OD1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:OD2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:C | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:CA | 17 | 1.2 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:CB | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:CD | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:CG | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:H | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:HA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:HB2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:HB3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:HE21 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:HE22 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:HG2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:HG3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:N | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:NE2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:O | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:OE1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:C | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:CA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:CB | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:H | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:HA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:HB2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:HB3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:HG | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:N | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:O | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:OG | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:C | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:CA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:CB | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:CG | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:H | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:HA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:HB2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:HB3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:N | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:O | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:OD1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:OD2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:C | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:CA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:CB | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:CD1 | 17 | 1.2 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:CD2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:CE1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:CE2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:CG | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:CZ | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:H | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:HA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:HB2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:HB3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:HD1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:HD2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:HE1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:HE2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:HZ | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:N | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:O | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:C | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:CA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:CB | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:CD | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:CG | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:H | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:HA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:HB2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:HB3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:HG2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:HG3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:N | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:O | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:OE1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:OE2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:655:GLY:C | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:655:GLY:CA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:655:GLY:H | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:655:GLY:HA2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:655:GLY:HA3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:655:GLY:N | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:655:GLY:O | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:C | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:CA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:CB | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:CD1 | 17 | 1.2 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:CD2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:CE1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:CE2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:CG | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:CZ | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:H | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:HA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:HB2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:HB3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:HD1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:HD2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:HE1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:HE2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:HZ | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:N | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:O | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:C | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:CA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:CB | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:H | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:HA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:HB3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:N | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:O | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:O1P | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:O2P | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:O3P | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:OG | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:P | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:C | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:CA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:CB | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:CD1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:CD2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:CE1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:CE2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:CG | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:CZ | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:H | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:HA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:HB2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:HB3 | 17 | 1.2 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:HD1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:HD2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:HE1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:HE2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:HH | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:N | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:O | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:OH | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:659:NH2:HN1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:659:NH2:HN2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:659:NH2:N | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:648:ACE:C | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:648:ACE:CH3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:648:ACE:H1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:648:ACE:H2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:648:ACE:H3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:648:ACE:O | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:C | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:CA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:CB | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:CG | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:H | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:HA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:HB2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:HB3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:N | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:O | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:OD1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:OD2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:C | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:CA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:CB | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:CD | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:CG | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:H | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:HA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:HB2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:HB3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:HE21 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:HE22 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:HG2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:HG3 | 17 | 1.2 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:N | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:NE2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:O | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:OE1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:C | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:CA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:CB | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:H | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:HA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:HB2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:HB3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:HG | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:N | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:O | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:OG | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:C | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:CA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:CB | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:CG | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:H | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:HA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:HB2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:HB3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:N | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:O | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:OD1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:OD2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:C | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:CA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:CB | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:CD1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:CD2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:CE1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:CE2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:CG | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:CZ | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:H | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:HA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:HB2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:HB3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:HD1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:HD2 | 17 | 1.2 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:HE1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:HE2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:HZ | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:N | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:O | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:C | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:CA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:CB | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:CD | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:CG | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:H | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:HA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:HB2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:HB3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:HG2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:HG3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:N | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:O | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:OE1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:OE2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:655:GLY:C | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:655:GLY:CA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:655:GLY:H | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:655:GLY:HA2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:655:GLY:HA3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:655:GLY:N | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:655:GLY:O | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:C | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:CA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:CB | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:CD1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:CD2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:CE1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:CE2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:CG | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:CZ | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:H | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:HA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:HB2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:HB3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:HD1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:HD2 | 17 | 1.2 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:HE1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:HE2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:HZ | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:N | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:O | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:C | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:CA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:CB | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:H | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:HA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:HB3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:N | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:O | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:O1P | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:O2P | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:O3P | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:OG | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:P | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:C | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:CA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:CB | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:CD1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:CD2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:CE1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:CE2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:CG | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:CZ | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:H | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:HA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:HB2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:HB3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:HD1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:HD2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:HE1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:HE2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:HH | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:N | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:O | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:OH | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:659:NH2:HN1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:659:NH2:HN2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:659:NH2:N | 17 | 1.2 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:N | 2:B:648:ACE:C | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:648:ACE:CH3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:648:ACE:H1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:648:ACE:H2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:648:ACE:H3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:648:ACE:O | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:C | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:CA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:CB | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:CG | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:H | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:HA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:HB2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:HB3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:N | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:O | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:OD1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:OD2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:C | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:CA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:CB | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:CD | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:CG | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:H | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:HA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:HB2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:HB3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:HE21 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:HE22 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:HG2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:HG3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:N | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:NE2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:O | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:OE1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:C | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:CA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:CB | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:H | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:HA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:HB2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:HB3 | 17 | 1.2 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:HG | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:N | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:O | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:OG | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:C | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:CA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:CB | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:CG | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:H | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:HA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:HB2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:HB3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:N | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:O | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:OD1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:OD2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:C | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:CA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:CB | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:CD1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:CD2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:CE1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:CE2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:CG | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:CZ | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:H | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:HA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:HB2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:HB3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:HD1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:HD2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:HE1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:HE2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:HZ | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:N | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:O | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:C | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:CA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:CB | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:CD | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:CG | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:H | 17 | 1.2 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:HA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:HB2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:HB3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:HG2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:HG3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:N | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:O | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:OE1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:OE2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:655:GLY:C | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:655:GLY:CA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:655:GLY:H | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:655:GLY:HA2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:655:GLY:HA3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:655:GLY:N | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:655:GLY:O | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:C | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:CA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:CB | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:CD1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:CD2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:CE1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:CE2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:CG | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:CZ | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:H | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:HA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:HB2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:HB3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:HD1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:HD2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:HE1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:HE2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:HZ | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:N | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:O | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:C | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:CA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:CB | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:H | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:HA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:HB3 | 17 | 1.2 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:N | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:O | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:O1P | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:O2P | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:O3P | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:OG | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:P | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:C | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:CA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:CB | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:CD1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:CD2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:CE1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:CE2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:CG | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:CZ | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:H | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:HA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:HB2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:HB3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:HD1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:HD2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:HE1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:HE2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:HH | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:N | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:O | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:OH | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:659:NH2:HN1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:659:NH2:HN2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:N | 2:B:659:NH2:N | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:648:ACE:C | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:648:ACE:CH3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:648:ACE:H1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:648:ACE:H2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:648:ACE:H3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:648:ACE:O | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:C | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:CA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:CB | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:CG | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:H | 17 | 1.2 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:HA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:HB2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:HB3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:N | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:O | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:OD1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:OD2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:C | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:CA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:CB | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:CD | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:CG | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:H | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:HA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:HB2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:HB3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:HE21 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:HE22 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:HG2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:HG3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:N | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:NE2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:O | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:OE1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:C | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:CA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:CB | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:H | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:HA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:HB2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:HB3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:HG | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:N | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:O | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:OG | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:C | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:CA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:CB | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:CG | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:H | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:HA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:HB2 | 17 | 1.2 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:HB3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:N | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:O | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:OD1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:OD2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:C | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:CA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:CB | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:CD1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:CD2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:CE1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:CE2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:CG | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:CZ | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:H | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:HA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:HB2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:HB3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:HD1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:HD2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:HE1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:HE2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:HZ | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:N | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:O | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:C | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:CA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:CB | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:CD | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:CG | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:H | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:HA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:HB2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:HB3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:HG2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:HG3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:N | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:O | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:OE1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:OE2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:655:GLY:C | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:655:GLY:CA | 17 | 1.2 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:ND2 | 2:B:655:GLY:H | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:655:GLY:HA2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:655:GLY:HA3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:655:GLY:N | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:655:GLY:O | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:C | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:CA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:CB | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:CD1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:CD2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:CE1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:CE2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:CG | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:CZ | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:H | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:HA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:HB2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:HB3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:HD1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:HD2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:HE1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:HE2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:HZ | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:N | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:O | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:C | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:CA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:CB | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:H | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:HA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:HB3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:N | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:O | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:O1P | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:O2P | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:O3P | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:OG | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:P | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:C | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:CA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:CB | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:CD1 | 17 | 1.2 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:CD2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:CE1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:CE2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:CG | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:CZ | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:H | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:HA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:HB2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:HB3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:HD1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:HD2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:HE1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:HE2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:HH | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:N | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:O | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:OH | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:659:NH2:HN1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:659:NH2:HN2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:659:NH2:N | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:648:ACE:C | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:648:ACE:CH3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:648:ACE:H1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:648:ACE:H2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:648:ACE:H3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:648:ACE:O | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:C | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:CA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:CB | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:CG | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:H | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:HA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:HB2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:HB3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:N | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:O | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:OD1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:OD2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:C | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:CA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:CB | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:CD | 17 | 1.2 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:CG | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:H | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:HA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:HB2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:HB3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:HE21 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:HE22 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:HG2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:HG3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:N | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:NE2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:O | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:OE1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:C | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:CA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:CB | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:H | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:HA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:HB2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:HB3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:HG | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:N | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:O | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:OG | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:C | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:CA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:CB | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:CG | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:H | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:HA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:HB2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:HB3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:N | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:O | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:OD1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:OD2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:C | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:CA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:CB | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:CD1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:CD2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:CE1 | 17 | 1.2 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:CE2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:CG | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:CZ | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:H | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:HA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:HB2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:HB3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:HD1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:HD2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:HE1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:HE2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:HZ | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:N | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:O | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:C | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:CA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:CB | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:CD | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:CG | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:H | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:HA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:HB2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:HB3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:HG2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:HG3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:N | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:O | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:OE1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:OE2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:655:GLY:C | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:655:GLY:CA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:655:GLY:H | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:655:GLY:HA2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:655:GLY:HA3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:655:GLY:N | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:655:GLY:O | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:C | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:CA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:CB | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:CD1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:CD2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:CE1 | 17 | 1.2 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:CE2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:CG | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:CZ | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:H | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:HA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:HB2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:HB3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:HD1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:HD2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:HE1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:HE2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:HZ | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:N | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:O | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:C | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:CA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:CB | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:H | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:HA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:HB3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:N | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:O | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:O1P | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:O2P | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:O3P | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:OG | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:P | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:C | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:CA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:CB | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:CD1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:CD2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:CE1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:CE2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:CG | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:CZ | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:H | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:HA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:HB2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:HB3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:HD1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:HD2 | 17 | 1.2 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:HE1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:HE2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:HH | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:N | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:O | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:OH | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:659:NH2:HN1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:659:NH2:HN2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:O | 2:B:659:NH2:N | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:648:ACE:C | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:648:ACE:CH3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:648:ACE:H1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:648:ACE:H2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:648:ACE:H3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:648:ACE:O | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:C | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:CA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:CB | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:CG | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:H | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:HA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:HB2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:HB3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:N | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:O | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:OD1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:OD2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:C | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:CA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:CB | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:CD | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:CG | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:H | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:HA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:HB2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:HB3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:HE21 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:HE22 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:HG2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:HG3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:N | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:NE2 | 17 | 1.2 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:O | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:OE1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:C | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:CA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:CB | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:H | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:HA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:HB2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:HB3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:HG | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:N | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:O | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:OG | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:C | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:CA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:CB | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:CG | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:H | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:HA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:HB2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:HB3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:N | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:O | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:OD1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:OD2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:C | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:CA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:CB | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:CD1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:CD2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:CE1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:CE2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:CG | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:CZ | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:H | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:HA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:HB2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:HB3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:HD1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:HD2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:HE1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:HE2 | 17 | 1.2 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:HZ | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:N | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:O | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:C | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:CA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:CB | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:CD | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:CG | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:H | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:HA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:HB2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:HB3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:HG2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:HG3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:N | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:O | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:OE1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:OE2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:655:GLY:C | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:655:GLY:CA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:655:GLY:H | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:655:GLY:HA2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:655:GLY:HA3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:655:GLY:N | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:655:GLY:O | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:C | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:CA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:CB | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:CD1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:CD2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:CE1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:CE2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:CG | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:CZ | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:H | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:HA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:HB2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:HB3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:HD1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:HD2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:HE1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:HE2 | 17 | 1.2 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:HZ | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:N | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:O | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:C | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:CA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:CB | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:H | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:HA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:HB3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:N | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:O | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:O1P | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:O2P | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:O3P | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:OG | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:P | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:C | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:CA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:CB | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:CD1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:CD2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:CE1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:CE2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:CG | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:CZ | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:H | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:HA | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:HB2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:HB3 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:HD1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:HD2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:HE1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:HE2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:HH | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:N | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:O | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:OH | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:659:NH2:HN1 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:659:NH2:HN2 | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:659:NH2:N | 17 | 1.2 |
| (1,34) | 1:A:253:ASN:C | 2:B:648:ACE:C | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:648:ACE:CH3 | 8 | 1.17 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:C | 2:B:648:ACE:H1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:648:ACE:H2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:648:ACE:H3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:648:ACE:O | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:C | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:CA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:CB | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:CG | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:H | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:HA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:HB2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:HB3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:N | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:O | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:OD1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:OD2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:C | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:CA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:CB | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:CD | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:CG | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:H | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:HA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:HB2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:HB3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:HE21 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:HE22 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:HG2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:HG3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:N | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:NE2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:O | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:OE1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:C | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:CA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:CB | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:H | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:HA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:HB2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:HB3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:HG | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:N | 8 | 1.17 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:O | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:OG | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:C | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:CA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:CB | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:CG | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:H | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:HA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:HB2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:HB3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:N | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:O | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:OD1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:OD2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:C | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:CA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:CB | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:CD1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:CD2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:CE1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:CE2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:CG | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:CZ | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:H | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:HA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:HB2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:HB3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:HD1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:HD2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:HE1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:HE2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:HZ | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:N | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:O | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:C | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:CA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:CB | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:CD | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:CG | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:H | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:HA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:HB2 | 8 | 1.17 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:HB3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:HG2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:HG3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:N | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:O | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:OE1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:OE2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:655:GLY:C | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:655:GLY:CA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:655:GLY:H | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:655:GLY:HA2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:655:GLY:HA3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:655:GLY:N | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:655:GLY:O | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:C | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:CA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:CB | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:CD1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:CD2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:CE1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:CE2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:CG | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:CZ | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:H | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:HA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:HB2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:HB3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:HD1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:HD2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:HE1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:HE2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:HZ | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:N | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:O | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:C | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:CA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:CB | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:H | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:HA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:HB3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:N | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:O | 8 | 1.17 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:O1P | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:O2P | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:O3P | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:OG | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:P | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:C | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:CA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:CB | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:CD1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:CD2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:CE1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:CE2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:CG | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:CZ | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:H | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:HA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:HB2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:HB3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:HD1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:HD2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:HE1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:HE2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:HH | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:N | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:O | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:OH | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:659:NH2:HN1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:659:NH2:HN2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:659:NH2:N | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:648:ACE:C | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:648:ACE:CH3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:648:ACE:H1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:648:ACE:H2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:648:ACE:H3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:648:ACE:O | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:C | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:CA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:CB | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:CG | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:H | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:HA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:HB2 | 8 | 1.17 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:HB3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:N | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:O | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:OD1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:OD2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:C | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:CA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:CB | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:CD | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:CG | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:H | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:HA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:HB2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:HB3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:HE21 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:HE22 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:HG2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:HG3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:N | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:NE2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:O | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:OE1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:C | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:CA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:CB | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:H | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:HA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:HB2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:HB3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:HG | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:N | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:O | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:OG | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:C | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:CA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:CB | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:CG | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:H | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:HA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:HB2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:HB3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:N | 8 | 1.17 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:O | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:OD1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:OD2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:C | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:CA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:CB | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:CD1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:CD2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:CE1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:CE2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:CG | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:CZ | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:H | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:HA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:HB2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:HB3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:HD1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:HD2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:HE1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:HE2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:HZ | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:N | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:O | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:C | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:CA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:CB | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:CD | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:CG | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:H | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:HA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:HB2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:HB3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:HG2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:HG3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:N | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:O | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:OE1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:OE2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:655:GLY:C | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:655:GLY:CA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:655:GLY:H | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:655:GLY:HA2 | 8 | 1.17 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CA | 2:B:655:GLY:HA3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:655:GLY:N | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:655:GLY:O | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:C | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:CA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:CB | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:CD1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:CD2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:CE1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:CE2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:CG | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:CZ | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:H | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:HA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:HB2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:HB3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:HD1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:HD2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:HE1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:HE2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:HZ | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:N | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:O | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:C | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:CA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:CB | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:H | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:HA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:HB3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:N | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:O | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:O1P | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:O2P | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:O3P | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:OG | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:P | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:C | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:CA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:CB | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:CD1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:CD2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:CE1 | 8 | 1.17 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:CE2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:CG | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:CZ | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:H | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:HA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:HB2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:HB3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:HD1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:HD2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:HE1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:HE2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:HH | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:N | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:O | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:OH | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:659:NH2:HN1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:659:NH2:HN2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:659:NH2:N | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:648:ACE:C | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:648:ACE:CH3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:648:ACE:H1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:648:ACE:H2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:648:ACE:H3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:648:ACE:O | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:C | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:CA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:CB | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:CG | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:H | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:HA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:HB2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:HB3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:N | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:O | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:OD1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:OD2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:C | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:CA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:CB | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:CD | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:CG | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:H | 8 | 1.17 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:HA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:HB2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:HB3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:HE21 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:HE22 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:HG2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:HG3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:N | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:NE2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:O | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:OE1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:C | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:CA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:CB | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:H | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:HA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:HB2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:HB3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:HG | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:N | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:O | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:OG | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:C | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:CA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:CB | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:CG | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:H | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:HA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:HB2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:HB3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:N | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:O | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:OD1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:OD2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:C | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:CA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:CB | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:CD1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:CD2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:CE1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:CE2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:CG | 8 | 1.17 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:CZ | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:H | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:HA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:HB2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:HB3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:HD1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:HD2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:HE1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:HE2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:HZ | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:N | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:O | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:C | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:CA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:CB | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:CD | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:CG | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:H | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:HA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:HB2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:HB3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:HG2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:HG3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:N | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:O | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:OE1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:OE2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:655:GLY:C | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:655:GLY:CA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:655:GLY:H | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:655:GLY:HA2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:655:GLY:HA3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:655:GLY:N | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:655:GLY:O | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:C | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:CA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:CB | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:CD1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:CD2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:CE1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:CE2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:CG | 8 | 1.17 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:CZ | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:H | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:HA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:HB2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:HB3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:HD1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:HD2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:HE1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:HE2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:HZ | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:N | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:O | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:C | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:CA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:CB | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:H | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:HA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:HB3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:N | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:O | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:O1P | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:O2P | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:O3P | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:OG | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:P | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:C | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:CA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:CB | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:CD1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:CD2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:CE1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:CE2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:CG | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:CZ | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:H | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:HA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:HB2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:HB3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:HD1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:HD2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:HE1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:HE2 | 8 | 1.17 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:HH | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:N | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:O | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:OH | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:659:NH2:HN1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:659:NH2:HN2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:659:NH2:N | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:648:ACE:C | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:648:ACE:CH3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:648:ACE:H1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:648:ACE:H2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:648:ACE:H3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:648:ACE:O | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:C | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:CA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:CB | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:CG | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:H | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:HA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:HB2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:HB3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:N | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:O | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:OD1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:OD2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:C | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:CA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:CB | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:CD | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:CG | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:H | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:HA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:HB2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:HB3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:HE21 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:HE22 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:HG2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:HG3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:N | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:NE2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:O | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:OE1 | 8 | 1.17 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:C | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:CA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:CB | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:H | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:HA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:HB2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:HB3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:HG | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:N | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:O | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:OG | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:C | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:CA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:CB | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:CG | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:H | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:HA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:HB2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:HB3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:N | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:O | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:OD1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:OD2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:C | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:CA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:CB | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:CD1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:CD2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:CE1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:CE2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:CG | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:CZ | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:H | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:HA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:HB2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:HB3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:HD1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:HD2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:HE1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:HE2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:HZ | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:N | 8 | 1.17 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:O | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:C | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:CA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:CB | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:CD | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:CG | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:H | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:HA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:HB2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:HB3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:HG2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:HG3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:N | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:O | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:OE1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:OE2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:655:GLY:C | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:655:GLY:CA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:655:GLY:H | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:655:GLY:HA2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:655:GLY:HA3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:655:GLY:N | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:655:GLY:O | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:C | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:CA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:CB | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:CD1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:CD2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:CE1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:CE2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:CG | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:CZ | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:H | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:HA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:HB2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:HB3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:HD1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:HD2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:HE1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:HE2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:HZ | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:N | 8 | 1.17 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:O | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:C | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:CA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:CB | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:H | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:HA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:HB3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:N | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:O | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:O1P | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:O2P | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:O3P | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:OG | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:P | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:C | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:CA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:CB | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:CD1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:CD2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:CE1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:CE2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:CG | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:CZ | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:H | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:HA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:HB2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:HB3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:HD1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:HD2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:HE1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:HE2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:HH | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:N | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:O | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:OH | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:659:NH2:HN1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:659:NH2:HN2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:659:NH2:N | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:648:ACE:C | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:648:ACE:CH3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:648:ACE:H1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:648:ACE:H2 | 8 | 1.17 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:H | 2:B:648:ACE:H3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:648:ACE:O | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:C | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:CA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:CB | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:CG | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:H | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:HA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:HB2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:HB3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:N | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:O | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:OD1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:OD2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:C | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:CA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:CB | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:CD | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:CG | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:H | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:HA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:HB2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:HB3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:HE21 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:HE22 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:HG2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:HG3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:N | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:NE2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:O | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:OE1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:C | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:CA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:CB | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:H | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:HA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:HB2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:HB3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:HG | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:N | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:O | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:OG | 8 | 1.17 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:C | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:CA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:CB | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:CG | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:H | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:HA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:HB2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:HB3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:N | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:O | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:OD1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:OD2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:C | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:CA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:CB | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:CD1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:CD2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:CE1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:CE2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:CG | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:CZ | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:H | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:HA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:HB2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:HB3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:HD1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:HD2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:HE1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:HE2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:HZ | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:N | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:O | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:C | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:CA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:CB | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:CD | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:CG | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:H | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:HA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:HB2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:HB3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:HG2 | 8 | 1.17 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:HG3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:N | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:O | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:OE1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:OE2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:655:GLY:C | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:655:GLY:CA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:655:GLY:H | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:655:GLY:HA2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:655:GLY:HA3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:655:GLY:N | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:655:GLY:O | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:C | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:CA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:CB | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:CD1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:CD2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:CE1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:CE2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:CG | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:CZ | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:H | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:HA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:HB2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:HB3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:HD1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:HD2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:HE1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:HE2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:HZ | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:N | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:O | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:C | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:CA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:CB | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:H | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:HA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:HB3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:N | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:O | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:O1P | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:O2P | 8 | 1.17 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:O3P | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:OG | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:P | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:C | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:CA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:CB | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:CD1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:CD2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:CE1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:CE2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:CG | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:CZ | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:H | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:HA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:HB2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:HB3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:HD1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:HD2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:HE1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:HE2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:HH | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:N | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:O | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:OH | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:659:NH2:HN1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:659:NH2:HN2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:659:NH2:N | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:648:ACE:C | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:648:ACE:CH3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:648:ACE:H1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:648:ACE:H2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:648:ACE:H3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:648:ACE:O | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:C | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:CA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:CB | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:CG | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:H | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:HA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:HB2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:HB3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:N | 8 | 1.17 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:O | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:OD1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:OD2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:C | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:CA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:CB | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:CD | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:CG | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:H | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:HA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:HB2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:HB3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:HE21 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:HE22 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:HG2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:HG3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:N | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:NE2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:O | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:OE1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:C | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:CA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:CB | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:H | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:HA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:HB2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:HB3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:HG | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:N | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:O | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:OG | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:C | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:CA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:CB | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:CG | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:H | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:HA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:HB2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:HB3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:N | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:O | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:OD1 | 8 | 1.17 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:OD2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:C | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:CA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:CB | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:CD1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:CD2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:CE1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:CE2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:CG | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:CZ | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:H | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:HA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:HB2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:HB3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:HD1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:HD2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:HE1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:HE2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:HZ | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:N | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:O | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:C | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:CA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:CB | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:CD | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:CG | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:H | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:HA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:HB2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:HB3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:HG2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:HG3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:N | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:O | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:OE1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:OE2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:655:GLY:C | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:655:GLY:CA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:655:GLY:H | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:655:GLY:HA2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:655:GLY:HA3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:655:GLY:N | 8 | 1.17 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HA | 2:B:655:GLY:O | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:C | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:CA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:CB | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:CD1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:CD2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:CE1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:CE2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:CG | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:CZ | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:H | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:HA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:HB2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:HB3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:HD1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:HD2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:HE1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:HE2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:HZ | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:N | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:O | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:C | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:CA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:CB | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:H | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:HA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:HB3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:N | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:O | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:O1P | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:O2P | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:O3P | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:OG | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:P | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:C | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:CA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:CB | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:CD1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:CD2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:CE1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:CE2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:CG | 8 | 1.17 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:CZ | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:H | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:HA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:HB2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:HB3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:HD1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:HD2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:HE1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:HE2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:HH | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:N | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:O | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:OH | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:659:NH2:HN1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:659:NH2:HN2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:659:NH2:N | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:648:ACE:C | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:648:ACE:CH3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:648:ACE:H1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:648:ACE:H2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:648:ACE:H3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:648:ACE:O | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:C | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:CA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:CB | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:CG | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:H | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:HA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:HB2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:HB3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:N | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:O | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:OD1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:OD2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:C | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:CA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:CB | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:CD | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:CG | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:H | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:HA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:HB2 | 8 | 1.17 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:HB3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:HE21 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:HE22 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:HG2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:HG3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:N | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:NE2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:O | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:OE1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:C | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:CA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:CB | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:H | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:HA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:HB2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:HB3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:HG | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:N | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:O | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:OG | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:C | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:CA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:CB | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:CG | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:H | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:HA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:HB2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:HB3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:N | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:O | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:OD1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:OD2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:C | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:CA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:CB | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:CD1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:CD2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:CE1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:CE2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:CG | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:CZ | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:H | 8 | 1.17 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:HA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:HB2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:HB3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:HD1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:HD2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:HE1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:HE2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:HZ | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:N | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:O | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:C | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:CA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:CB | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:CD | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:CG | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:H | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:HA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:HB2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:HB3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:HG2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:HG3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:N | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:O | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:OE1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:OE2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:655:GLY:C | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:655:GLY:CA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:655:GLY:H | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:655:GLY:HA2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:655:GLY:HA3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:655:GLY:N | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:655:GLY:O | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:C | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:CA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:CB | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:CD1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:CD2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:CE1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:CE2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:CG | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:CZ | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:H | 8 | 1.17 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:HA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:HB2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:HB3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:HD1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:HD2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:HE1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:HE2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:HZ | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:N | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:O | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:C | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:CA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:CB | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:H | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:HA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:HB3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:N | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:O | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:O1P | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:O2P | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:O3P | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:OG | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:P | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:C | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:CA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:CB | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:CD1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:CD2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:CE1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:CE2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:CG | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:CZ | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:H | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:HA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:HB2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:HB3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:HD1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:HD2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:HE1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:HE2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:HH | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:N | 8 | 1.17 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:O | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:OH | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:659:NH2:HN1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:659:NH2:HN2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:659:NH2:N | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:648:ACE:C | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:648:ACE:CH3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:648:ACE:H1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:648:ACE:H2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:648:ACE:H3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:648:ACE:O | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:C | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:CA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:CB | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:CG | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:H | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:HA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:HB2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:HB3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:N | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:O | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:OD1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:OD2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:C | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:CA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:CB | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:CD | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:CG | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:H | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:HA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:HB2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:HB3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:HE21 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:HE22 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:HG2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:HG3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:N | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:NE2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:O | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:OE1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:C | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:CA | 8 | 1.17 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:CB | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:H | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:HA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:HB2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:HB3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:HG | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:N | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:O | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:OG | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:C | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:CA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:CB | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:CG | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:H | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:HA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:HB2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:HB3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:N | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:O | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:OD1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:OD2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:C | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:CA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:CB | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:CD1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:CD2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:CE1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:CE2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:CG | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:CZ | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:H | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:HA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:HB2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:HB3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:HD1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:HD2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:HE1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:HE2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:HZ | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:N | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:O | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:C | 8 | 1.17 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:CA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:CB | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:CD | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:CG | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:H | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:HA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:HB2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:HB3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:HG2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:HG3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:N | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:O | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:OE1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:OE2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:655:GLY:C | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:655:GLY:CA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:655:GLY:H | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:655:GLY:HA2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:655:GLY:HA3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:655:GLY:N | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:655:GLY:O | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:C | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:CA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:CB | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:CD1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:CD2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:CE1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:CE2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:CG | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:CZ | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:H | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:HA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:HB2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:HB3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:HD1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:HD2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:HE1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:HE2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:HZ | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:N | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:O | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:C | 8 | 1.17 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:CA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:CB | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:H | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:HA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:HB3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:N | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:O | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:O1P | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:O2P | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:O3P | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:OG | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:P | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:C | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:CA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:CB | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:CD1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:CD2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:CE1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:CE2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:CG | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:CZ | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:H | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:HA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:HB2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:HB3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:HD1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:HD2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:HE1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:HE2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:HH | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:N | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:O | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:OH | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:659:NH2:HN1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:659:NH2:HN2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:659:NH2:N | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:648:ACE:C | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:648:ACE:CH3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:648:ACE:H1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:648:ACE:H2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:648:ACE:H3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:648:ACE:O | 8 | 1.17 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:C | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:CA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:CB | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:CG | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:H | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:HA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:HB2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:HB3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:N | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:O | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:OD1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:OD2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:C | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:CA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:CB | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:CD | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:CG | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:H | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:HA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:HB2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:HB3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:HE21 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:HE22 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:HG2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:HG3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:N | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:NE2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:O | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:OE1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:C | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:CA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:CB | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:H | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:HA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:HB2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:HB3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:HG | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:N | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:O | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:OG | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:C | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:CA | 8 | 1.17 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:CB | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:CG | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:H | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:HA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:HB2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:HB3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:N | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:O | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:OD1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:OD2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:C | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:CA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:CB | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:CD1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:CD2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:CE1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:CE2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:CG | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:CZ | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:H | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:HA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:HB2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:HB3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:HD1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:HD2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:HE1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:HE2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:HZ | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:N | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:O | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:C | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:CA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:CB | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:CD | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:CG | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:H | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:HA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:HB2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:HB3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:HG2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:HG3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:N | 8 | 1.17 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:O | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:OE1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:OE2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:655:GLY:C | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:655:GLY:CA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:655:GLY:H | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:655:GLY:HA2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:655:GLY:HA3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:655:GLY:N | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:655:GLY:O | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:C | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:CA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:CB | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:CD1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:CD2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:CE1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:CE2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:CG | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:CZ | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:H | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:HA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:HB2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:HB3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:HD1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:HD2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:HE1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:HE2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:HZ | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:N | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:O | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:C | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:CA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:CB | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:H | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:HA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:HB3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:N | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:O | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:O1P | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:O2P | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:O3P | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:OG | 8 | 1.17 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:P | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:C | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:CA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:CB | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:CD1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:CD2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:CE1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:CE2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:CG | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:CZ | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:H | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:HA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:HB2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:HB3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:HD1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:HD2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:HE1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:HE2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:HH | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:N | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:O | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:OH | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:659:NH2:HN1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:659:NH2:HN2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:659:NH2:N | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:648:ACE:C | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:648:ACE:CH3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:648:ACE:H1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:648:ACE:H2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:648:ACE:H3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:648:ACE:O | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:C | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:CA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:CB | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:CG | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:H | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:HA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:HB2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:HB3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:N | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:O | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:OD1 | 8 | 1.17 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:OD2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:C | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:CA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:CB | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:CD | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:CG | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:H | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:HA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:HB2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:HB3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:HE21 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:HE22 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:HG2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:HG3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:N | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:NE2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:O | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:OE1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:C | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:CA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:CB | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:H | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:HA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:HB2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:HB3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:HG | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:N | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:O | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:OG | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:C | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:CA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:CB | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:CG | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:H | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:HA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:HB2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:HB3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:N | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:O | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:OD1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:OD2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:C | 8 | 1.17 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:CA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:CB | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:CD1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:CD2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:CE1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:CE2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:CG | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:CZ | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:H | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:HA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:HB2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:HB3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:HD1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:HD2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:HE1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:HE2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:HZ | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:N | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:O | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:C | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:CA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:CB | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:CD | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:CG | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:H | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:HA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:HB2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:HB3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:HG2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:HG3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:N | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:O | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:OE1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:OE2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:655:GLY:C | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:655:GLY:CA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:655:GLY:H | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:655:GLY:HA2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:655:GLY:HA3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:655:GLY:N | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:655:GLY:O | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:C | 8 | 1.17 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:CA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:CB | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:CD1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:CD2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:CE1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:CE2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:CG | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:CZ | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:H | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:HA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:HB2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:HB3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:HD1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:HD2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:HE1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:HE2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:HZ | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:N | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:O | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:C | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:CA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:CB | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:H | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:HA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:HB3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:N | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:O | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:O1P | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:O2P | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:O3P | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:OG | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:P | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:C | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:CA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:CB | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:CD1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:CD2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:CE1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:CE2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:CG | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:CZ | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:H | 8 | 1.17 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:HA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:HB2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:HB3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:HD1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:HD2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:HE1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:HE2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:HH | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:N | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:O | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:OH | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:659:NH2:HN1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:659:NH2:HN2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:659:NH2:N | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:648:ACE:C | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:648:ACE:CH3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:648:ACE:H1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:648:ACE:H2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:648:ACE:H3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:648:ACE:O | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:C | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:CA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:CB | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:CG | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:H | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:HA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:HB2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:HB3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:N | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:O | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:OD1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:OD2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:C | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:CA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:CB | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:CD | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:CG | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:H | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:HA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:HB2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:HB3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:HE21 | 8 | 1.17 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:HE22 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:HG2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:HG3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:N | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:NE2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:O | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:OE1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:C | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:CA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:CB | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:H | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:HA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:HB2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:HB3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:HG | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:N | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:O | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:OG | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:C | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:CA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:CB | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:CG | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:H | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:HA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:HB2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:HB3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:N | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:O | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:OD1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:OD2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:C | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:CA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:CB | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:CD1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:CD2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:CE1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:CE2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:CG | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:CZ | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:H | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:HA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:HB2 | 8 | 1.17 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:HB3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:HD1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:HD2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:HE1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:HE2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:HZ | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:N | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:O | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:C | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:CA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:CB | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:CD | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:CG | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:H | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:HA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:HB2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:HB3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:HG2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:HG3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:N | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:O | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:OE1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:OE2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:655:GLY:C | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:655:GLY:CA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:655:GLY:H | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:655:GLY:HA2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:655:GLY:HA3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:655:GLY:N | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:655:GLY:O | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:C | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:CA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:CB | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:CD1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:CD2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:CE1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:CE2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:CG | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:CZ | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:H | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:HA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:HB2 | 8 | 1.17 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:HB3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:HD1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:HD2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:HE1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:HE2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:HZ | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:N | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:O | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:C | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:CA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:CB | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:H | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:HA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:HB3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:N | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:O | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:O1P | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:O2P | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:O3P | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:OG | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:P | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:C | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:CA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:CB | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:CD1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:CD2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:CE1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:CE2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:CG | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:CZ | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:H | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:HA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:HB2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:HB3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:HD1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:HD2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:HE1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:HE2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:HH | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:N | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:O | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:OH | 8 | 1.17 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:N | 2:B:659:NH2:HN1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:659:NH2:HN2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:659:NH2:N | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:648:ACE:C | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:648:ACE:CH3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:648:ACE:H1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:648:ACE:H2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:648:ACE:H3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:648:ACE:O | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:C | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:CA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:CB | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:CG | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:H | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:HA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:HB2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:HB3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:N | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:O | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:OD1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:OD2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:C | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:CA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:CB | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:CD | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:CG | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:H | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:HA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:HB2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:HB3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:HE21 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:HE22 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:HG2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:HG3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:N | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:NE2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:O | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:OE1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:C | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:CA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:CB | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:H | 8 | 1.17 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:HA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:HB2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:HB3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:HG | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:N | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:O | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:OG | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:C | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:CA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:CB | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:CG | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:H | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:HA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:HB2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:HB3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:N | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:O | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:OD1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:OD2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:C | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:CA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:CB | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:CD1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:CD2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:CE1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:CE2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:CG | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:CZ | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:H | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:HA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:HB2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:HB3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:HD1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:HD2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:HE1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:HE2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:HZ | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:N | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:O | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:C | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:CA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:CB | 8 | 1.17 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:CD | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:CG | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:H | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:HA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:HB2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:HB3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:HG2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:HG3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:N | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:O | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:OE1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:OE2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:655:GLY:C | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:655:GLY:CA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:655:GLY:H | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:655:GLY:HA2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:655:GLY:HA3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:655:GLY:N | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:655:GLY:O | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:C | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:CA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:CB | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:CD1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:CD2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:CE1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:CE2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:CG | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:CZ | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:H | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:HA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:HB2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:HB3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:HD1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:HD2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:HE1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:HE2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:HZ | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:N | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:O | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:C | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:CA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:CB | 8 | 1.17 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:H | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:HA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:HB3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:N | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:O | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:O1P | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:O2P | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:O3P | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:OG | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:P | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:C | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:CA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:CB | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:CD1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:CD2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:CE1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:CE2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:CG | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:CZ | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:H | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:HA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:HB2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:HB3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:HD1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:HD2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:HE1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:HE2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:HH | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:N | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:O | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:OH | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:659:NH2:HN1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:659:NH2:HN2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:659:NH2:N | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:648:ACE:C | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:648:ACE:CH3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:648:ACE:H1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:648:ACE:H2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:648:ACE:H3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:648:ACE:O | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:C | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:CA | 8 | 1.17 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:CB | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:CG | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:H | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:HA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:HB2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:HB3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:N | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:O | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:OD1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:OD2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:C | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:CA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:CB | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:CD | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:CG | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:H | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:HA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:HB2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:HB3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:HE21 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:HE22 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:HG2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:HG3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:N | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:NE2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:O | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:OE1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:C | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:CA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:CB | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:H | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:HA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:HB2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:HB3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:HG | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:N | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:O | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:OG | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:C | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:CA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:CB | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:CG | 8 | 1.17 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:H | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:HA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:HB2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:HB3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:N | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:O | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:OD1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:OD2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:C | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:CA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:CB | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:CD1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:CD2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:CE1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:CE2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:CG | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:CZ | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:H | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:HA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:HB2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:HB3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:HD1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:HD2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:HE1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:HE2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:HZ | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:N | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:O | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:C | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:CA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:CB | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:CD | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:CG | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:H | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:HA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:HB2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:HB3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:HG2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:HG3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:N | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:O | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:OE1 | 8 | 1.17 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:OE2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:655:GLY:C | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:655:GLY:CA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:655:GLY:H | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:655:GLY:HA2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:655:GLY:HA3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:655:GLY:N | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:655:GLY:O | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:C | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:CA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:CB | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:CD1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:CD2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:CE1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:CE2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:CG | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:CZ | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:H | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:HA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:HB2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:HB3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:HD1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:HD2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:HE1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:HE2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:HZ | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:N | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:O | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:C | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:CA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:CB | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:H | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:HA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:HB3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:N | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:O | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:O1P | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:O2P | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:O3P | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:OG | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:P | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:C | 8 | 1.17 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:CA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:CB | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:CD1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:CD2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:CE1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:CE2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:CG | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:CZ | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:H | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:HA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:HB2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:HB3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:HD1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:HD2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:HE1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:HE2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:HH | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:N | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:O | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:OH | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:659:NH2:HN1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:659:NH2:HN2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:659:NH2:N | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:648:ACE:C | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:648:ACE:CH3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:648:ACE:H1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:648:ACE:H2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:648:ACE:H3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:648:ACE:O | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:C | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:CA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:CB | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:CG | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:H | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:HA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:HB2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:HB3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:N | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:O | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:OD1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:OD2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:C | 8 | 1.17 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:CA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:CB | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:CD | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:CG | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:H | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:HA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:HB2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:HB3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:HE21 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:HE22 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:HG2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:HG3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:N | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:NE2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:O | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:OE1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:C | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:CA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:CB | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:H | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:HA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:HB2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:HB3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:HG | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:N | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:O | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:OG | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:C | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:CA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:CB | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:CG | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:H | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:HA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:HB2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:HB3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:N | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:O | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:OD1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:OD2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:C | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:CA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:CB | 8 | 1.17 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:CD1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:CD2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:CE1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:CE2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:CG | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:CZ | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:H | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:HA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:HB2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:HB3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:HD1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:HD2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:HE1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:HE2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:HZ | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:N | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:O | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:C | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:CA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:CB | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:CD | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:CG | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:H | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:HA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:HB2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:HB3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:HG2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:HG3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:N | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:O | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:OE1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:OE2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:655:GLY:C | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:655:GLY:CA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:655:GLY:H | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:655:GLY:HA2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:655:GLY:HA3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:655:GLY:N | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:655:GLY:O | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:C | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:CA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:CB | 8 | 1.17 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:CD1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:CD2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:CE1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:CE2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:CG | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:CZ | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:H | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:HA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:HB2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:HB3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:HD1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:HD2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:HE1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:HE2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:HZ | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:N | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:O | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:C | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:CA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:CB | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:H | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:HA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:HB3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:N | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:O | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:O1P | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:O2P | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:O3P | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:OG | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:P | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:C | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:CA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:CB | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:CD1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:CD2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:CE1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:CE2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:CG | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:CZ | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:H | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:HA | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:HB2 | 8 | 1.17 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:HB3 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:HD1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:HD2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:HE1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:HE2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:HH | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:N | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:O | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:OH | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:659:NH2:HN1 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:659:NH2:HN2 | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:659:NH2:N | 8 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:648:ACE:C | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:648:ACE:CH3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:648:ACE:H1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:648:ACE:H2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:648:ACE:H3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:648:ACE:O | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:C | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:CA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:CB | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:CG | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:H | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:HA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:HB2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:HB3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:N | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:O | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:OD1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:OD2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:C | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:CA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:CB | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:CD | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:CG | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:H | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:HA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:HB2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:HB3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:HE21 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:HE22 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:HG2 | 13 | 1.17 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:HG3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:N | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:NE2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:O | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:OE1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:C | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:CA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:CB | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:H | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:HA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:HB2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:HB3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:HG | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:N | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:O | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:OG | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:C | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:CA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:CB | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:CG | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:H | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:HA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:HB2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:HB3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:N | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:O | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:OD1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:OD2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:C | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:CA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:CB | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:CD1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:CD2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:CE1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:CE2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:CG | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:CZ | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:H | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:HA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:HB2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:HB3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:HD1 | 13 | 1.17 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:HD2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:HE1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:HE2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:HZ | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:N | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:O | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:C | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:CA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:CB | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:CD | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:CG | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:H | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:HA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:HB2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:HB3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:HG2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:HG3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:N | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:O | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:OE1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:OE2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:655:GLY:C | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:655:GLY:CA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:655:GLY:H | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:655:GLY:HA2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:655:GLY:HA3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:655:GLY:N | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:655:GLY:O | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:C | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:CA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:CB | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:CD1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:CD2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:CE1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:CE2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:CG | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:CZ | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:H | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:HA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:HB2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:HB3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:HD1 | 13 | 1.17 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:HD2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:HE1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:HE2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:HZ | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:N | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:O | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:C | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:CA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:CB | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:H | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:HA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:HB3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:N | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:O | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:O1P | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:O2P | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:O3P | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:OG | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:P | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:C | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:CA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:CB | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:CD1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:CD2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:CE1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:CE2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:CG | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:CZ | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:H | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:HA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:HB2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:HB3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:HD1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:HD2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:HE1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:HE2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:HH | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:N | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:O | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:OH | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:659:NH2:HN1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:659:NH2:HN2 | 13 | 1.17 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:C | 2:B:659:NH2:N | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:648:ACE:C | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:648:ACE:CH3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:648:ACE:H1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:648:ACE:H2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:648:ACE:H3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:648:ACE:O | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:C | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:CA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:CB | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:CG | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:H | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:HA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:HB2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:HB3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:N | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:O | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:OD1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:OD2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:C | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:CA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:CB | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:CD | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:CG | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:H | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:HA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:HB2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:HB3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:HE21 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:HE22 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:HG2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:HG3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:N | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:NE2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:O | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:OE1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:C | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:CA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:CB | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:H | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:HA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:HB2 | 13 | 1.17 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:HB3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:HG | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:N | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:O | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:OG | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:C | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:CA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:CB | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:CG | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:H | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:HA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:HB2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:HB3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:N | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:O | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:OD1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:OD2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:C | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:CA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:CB | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:CD1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:CD2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:CE1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:CE2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:CG | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:CZ | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:H | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:HA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:HB2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:HB3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:HD1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:HD2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:HE1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:HE2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:HZ | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:N | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:O | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:C | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:CA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:CB | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:CD | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:CG | 13 | 1.17 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:H | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:HA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:HB2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:HB3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:HG2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:HG3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:N | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:O | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:OE1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:OE2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:655:GLY:C | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:655:GLY:CA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:655:GLY:H | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:655:GLY:HA2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:655:GLY:HA3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:655:GLY:N | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:655:GLY:O | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:C | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:CA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:CB | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:CD1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:CD2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:CE1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:CE2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:CG | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:CZ | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:H | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:HA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:HB2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:HB3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:HD1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:HD2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:HE1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:HE2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:HZ | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:N | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:O | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:C | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:CA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:CB | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:H | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:HA | 13 | 1.17 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:HB3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:N | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:O | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:O1P | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:O2P | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:O3P | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:OG | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:P | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:C | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:CA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:CB | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:CD1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:CD2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:CE1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:CE2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:CG | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:CZ | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:H | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:HA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:HB2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:HB3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:HD1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:HD2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:HE1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:HE2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:HH | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:N | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:O | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:OH | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:659:NH2:HN1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:659:NH2:HN2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:659:NH2:N | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:648:ACE:C | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:648:ACE:CH3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:648:ACE:H1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:648:ACE:H2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:648:ACE:H3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:648:ACE:O | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:C | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:CA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:CB | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:CG | 13 | 1.17 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:H | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:HA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:HB2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:HB3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:N | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:O | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:OD1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:OD2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:C | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:CA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:CB | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:CD | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:CG | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:H | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:HA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:HB2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:HB3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:HE21 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:HE22 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:HG2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:HG3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:N | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:NE2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:O | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:OE1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:C | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:CA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:CB | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:H | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:HA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:HB2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:HB3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:HG | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:N | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:O | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:OG | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:C | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:CA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:CB | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:CG | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:H | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:HA | 13 | 1.17 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:HB2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:HB3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:N | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:O | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:OD1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:OD2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:C | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:CA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:CB | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:CD1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:CD2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:CE1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:CE2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:CG | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:CZ | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:H | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:HA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:HB2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:HB3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:HD1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:HD2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:HE1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:HE2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:HZ | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:N | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:O | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:C | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:CA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:CB | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:CD | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:CG | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:H | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:HA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:HB2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:HB3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:HG2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:HG3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:N | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:O | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:OE1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:OE2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:655:GLY:C | 13 | 1.17 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CB | 2:B:655:GLY:CA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:655:GLY:H | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:655:GLY:HA2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:655:GLY:HA3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:655:GLY:N | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:655:GLY:O | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:C | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:CA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:CB | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:CD1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:CD2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:CE1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:CE2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:CG | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:CZ | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:H | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:HA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:HB2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:HB3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:HD1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:HD2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:HE1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:HE2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:HZ | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:N | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:O | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:C | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:CA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:CB | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:H | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:HA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:HB3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:N | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:O | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:O1P | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:O2P | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:O3P | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:OG | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:P | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:C | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:CA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:CB | 13 | 1.17 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:CD1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:CD2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:CE1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:CE2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:CG | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:CZ | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:H | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:HA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:HB2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:HB3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:HD1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:HD2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:HE1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:HE2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:HH | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:N | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:O | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:OH | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:659:NH2:HN1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:659:NH2:HN2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:659:NH2:N | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:648:ACE:C | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:648:ACE:CH3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:648:ACE:H1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:648:ACE:H2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:648:ACE:H3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:648:ACE:O | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:C | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:CA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:CB | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:CG | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:H | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:HA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:HB2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:HB3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:N | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:O | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:OD1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:OD2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:C | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:CA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:CB | 13 | 1.17 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:CD | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:CG | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:H | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:HA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:HB2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:HB3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:HE21 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:HE22 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:HG2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:HG3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:N | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:NE2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:O | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:OE1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:C | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:CA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:CB | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:H | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:HA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:HB2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:HB3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:HG | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:N | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:O | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:OG | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:C | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:CA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:CB | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:CG | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:H | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:HA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:HB2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:HB3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:N | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:O | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:OD1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:OD2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:C | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:CA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:CB | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:CD1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:CD2 | 13 | 1.17 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:CE1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:CE2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:CG | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:CZ | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:H | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:HA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:HB2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:HB3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:HD1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:HD2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:HE1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:HE2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:HZ | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:N | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:O | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:C | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:CA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:CB | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:CD | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:CG | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:H | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:HA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:HB2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:HB3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:HG2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:HG3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:N | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:O | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:OE1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:OE2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:655:GLY:C | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:655:GLY:CA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:655:GLY:H | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:655:GLY:HA2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:655:GLY:HA3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:655:GLY:N | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:655:GLY:O | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:C | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:CA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:CB | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:CD1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:CD2 | 13 | 1.17 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:CE1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:CE2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:CG | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:CZ | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:H | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:HA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:HB2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:HB3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:HD1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:HD2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:HE1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:HE2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:HZ | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:N | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:O | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:C | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:CA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:CB | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:H | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:HA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:HB3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:N | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:O | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:O1P | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:O2P | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:O3P | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:OG | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:P | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:C | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:CA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:CB | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:CD1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:CD2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:CE1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:CE2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:CG | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:CZ | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:H | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:HA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:HB2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:HB3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:HD1 | 13 | 1.17 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:HD2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:HE1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:HE2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:HH | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:N | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:O | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:OH | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:659:NH2:HN1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:659:NH2:HN2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:659:NH2:N | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:648:ACE:C | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:648:ACE:CH3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:648:ACE:H1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:648:ACE:H2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:648:ACE:H3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:648:ACE:O | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:C | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:CA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:CB | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:CG | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:H | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:HA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:HB2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:HB3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:N | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:O | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:OD1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:OD2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:C | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:CA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:CB | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:CD | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:CG | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:H | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:HA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:HB2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:HB3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:HE21 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:HE22 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:HG2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:HG3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:N | 13 | 1.17 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:NE2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:O | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:OE1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:C | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:CA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:CB | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:H | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:HA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:HB2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:HB3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:HG | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:N | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:O | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:OG | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:C | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:CA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:CB | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:CG | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:H | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:HA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:HB2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:HB3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:N | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:O | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:OD1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:OD2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:C | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:CA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:CB | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:CD1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:CD2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:CE1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:CE2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:CG | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:CZ | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:H | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:HA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:HB2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:HB3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:HD1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:HD2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:HE1 | 13 | 1.17 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:HE2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:HZ | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:N | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:O | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:C | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:CA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:CB | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:CD | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:CG | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:H | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:HA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:HB2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:HB3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:HG2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:HG3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:N | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:O | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:OE1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:OE2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:655:GLY:C | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:655:GLY:CA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:655:GLY:H | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:655:GLY:HA2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:655:GLY:HA3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:655:GLY:N | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:655:GLY:O | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:C | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:CA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:CB | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:CD1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:CD2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:CE1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:CE2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:CG | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:CZ | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:H | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:HA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:HB2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:HB3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:HD1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:HD2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:HE1 | 13 | 1.17 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:HE2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:HZ | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:N | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:O | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:C | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:CA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:CB | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:H | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:HA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:HB3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:N | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:O | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:O1P | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:O2P | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:O3P | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:OG | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:P | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:C | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:CA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:CB | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:CD1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:CD2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:CE1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:CE2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:CG | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:CZ | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:H | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:HA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:HB2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:HB3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:HD1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:HD2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:HE1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:HE2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:HH | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:N | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:O | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:OH | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:659:NH2:HN1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:659:NH2:HN2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:659:NH2:N | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:648:ACE:C | 13 | 1.17 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HA | 2:B:648:ACE:CH3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:648:ACE:H1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:648:ACE:H2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:648:ACE:H3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:648:ACE:O | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:C | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:CA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:CB | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:CG | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:H | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:HA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:HB2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:HB3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:N | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:O | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:OD1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:OD2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:C | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:CA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:CB | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:CD | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:CG | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:H | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:HA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:HB2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:HB3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:HE21 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:HE22 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:HG2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:HG3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:N | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:NE2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:O | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:OE1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:C | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:CA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:CB | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:H | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:HA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:HB2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:HB3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:HG | 13 | 1.17 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:N | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:O | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:OG | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:C | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:CA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:CB | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:CG | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:H | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:HA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:HB2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:HB3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:N | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:O | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:OD1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:OD2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:C | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:CA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:CB | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:CD1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:CD2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:CE1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:CE2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:CG | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:CZ | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:H | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:HA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:HB2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:HB3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:HD1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:HD2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:HE1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:HE2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:HZ | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:N | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:O | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:C | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:CA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:CB | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:CD | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:CG | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:H | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:HA | 13 | 1.17 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:HB2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:HB3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:HG2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:HG3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:N | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:O | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:OE1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:OE2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:655:GLY:C | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:655:GLY:CA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:655:GLY:H | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:655:GLY:HA2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:655:GLY:HA3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:655:GLY:N | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:655:GLY:O | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:C | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:CA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:CB | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:CD1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:CD2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:CE1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:CE2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:CG | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:CZ | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:H | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:HA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:HB2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:HB3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:HD1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:HD2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:HE1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:HE2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:HZ | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:N | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:O | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:C | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:CA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:CB | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:H | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:HA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:HB3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:N | 13 | 1.17 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:O | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:O1P | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:O2P | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:O3P | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:OG | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:P | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:C | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:CA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:CB | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:CD1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:CD2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:CE1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:CE2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:CG | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:CZ | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:H | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:HA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:HB2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:HB3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:HD1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:HD2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:HE1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:HE2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:HH | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:N | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:O | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:OH | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:659:NH2:HN1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:659:NH2:HN2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:659:NH2:N | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:648:ACE:C | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:648:ACE:CH3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:648:ACE:H1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:648:ACE:H2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:648:ACE:H3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:648:ACE:O | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:C | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:CA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:CB | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:CG | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:H | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:HA | 13 | 1.17 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:HB2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:HB3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:N | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:O | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:OD1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:OD2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:C | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:CA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:CB | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:CD | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:CG | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:H | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:HA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:HB2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:HB3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:HE21 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:HE22 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:HG2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:HG3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:N | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:NE2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:O | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:OE1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:C | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:CA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:CB | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:H | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:HA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:HB2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:HB3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:HG | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:N | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:O | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:OG | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:C | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:CA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:CB | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:CG | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:H | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:HA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:HB2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:HB3 | 13 | 1.17 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:N | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:O | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:OD1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:OD2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:C | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:CA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:CB | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:CD1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:CD2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:CE1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:CE2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:CG | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:CZ | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:H | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:HA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:HB2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:HB3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:HD1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:HD2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:HE1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:HE2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:HZ | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:N | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:O | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:C | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:CA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:CB | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:CD | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:CG | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:H | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:HA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:HB2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:HB3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:HG2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:HG3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:N | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:O | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:OE1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:OE2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:655:GLY:C | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:655:GLY:CA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:655:GLY:H | 13 | 1.17 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HB2 | 2:B:655:GLY:HA2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:655:GLY:HA3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:655:GLY:N | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:655:GLY:O | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:C | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:CA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:CB | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:CD1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:CD2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:CE1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:CE2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:CG | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:CZ | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:H | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:HA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:HB2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:HB3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:HD1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:HD2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:HE1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:HE2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:HZ | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:N | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:O | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:C | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:CA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:CB | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:H | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:HA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:HB3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:N | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:O | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:O1P | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:O2P | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:O3P | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:OG | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:P | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:C | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:CA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:CB | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:CD1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:CD2 | 13 | 1.17 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:CE1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:CE2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:CG | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:CZ | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:H | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:HA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:HB2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:HB3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:HD1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:HD2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:HE1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:HE2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:HH | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:N | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:O | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:OH | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:659:NH2:HN1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:659:NH2:HN2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:659:NH2:N | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:648:ACE:C | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:648:ACE:CH3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:648:ACE:H1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:648:ACE:H2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:648:ACE:H3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:648:ACE:O | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:C | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:CA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:CB | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:CG | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:H | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:HA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:HB2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:HB3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:N | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:O | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:OD1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:OD2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:C | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:CA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:CB | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:CD | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:CG | 13 | 1.17 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:H | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:HA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:HB2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:HB3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:HE21 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:HE22 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:HG2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:HG3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:N | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:NE2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:O | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:OE1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:C | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:CA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:CB | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:H | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:HA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:HB2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:HB3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:HG | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:N | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:O | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:OG | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:C | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:CA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:CB | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:CG | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:H | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:HA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:HB2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:HB3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:N | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:O | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:OD1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:OD2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:C | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:CA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:CB | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:CD1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:CD2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:CE1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:CE2 | 13 | 1.17 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:CG | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:CZ | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:H | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:HA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:HB2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:HB3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:HD1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:HD2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:HE1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:HE2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:HZ | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:N | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:O | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:C | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:CA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:CB | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:CD | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:CG | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:H | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:HA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:HB2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:HB3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:HG2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:HG3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:N | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:O | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:OE1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:OE2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:655:GLY:C | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:655:GLY:CA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:655:GLY:H | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:655:GLY:HA2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:655:GLY:HA3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:655:GLY:N | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:655:GLY:O | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:C | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:CA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:CB | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:CD1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:CD2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:CE1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:CE2 | 13 | 1.17 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:CG | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:CZ | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:H | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:HA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:HB2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:HB3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:HD1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:HD2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:HE1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:HE2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:HZ | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:N | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:O | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:C | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:CA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:CB | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:H | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:HA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:HB3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:N | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:O | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:O1P | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:O2P | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:O3P | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:OG | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:P | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:C | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:CA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:CB | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:CD1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:CD2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:CE1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:CE2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:CG | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:CZ | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:H | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:HA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:HB2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:HB3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:HD1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:HD2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:HE1 | 13 | 1.17 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:HE2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:HH | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:N | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:O | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:OH | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:659:NH2:HN1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:659:NH2:HN2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:659:NH2:N | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:648:ACE:C | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:648:ACE:CH3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:648:ACE:H1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:648:ACE:H2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:648:ACE:H3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:648:ACE:O | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:C | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:CA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:CB | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:CG | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:H | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:HA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:HB2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:HB3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:N | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:O | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:OD1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:OD2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:C | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:CA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:CB | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:CD | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:CG | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:H | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:HA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:HB2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:HB3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:HE21 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:HE22 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:HG2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:HG3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:N | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:NE2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:O | 13 | 1.17 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:OE1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:C | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:CA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:CB | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:H | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:HA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:HB2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:HB3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:HG | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:N | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:O | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:OG | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:C | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:CA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:CB | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:CG | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:H | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:HA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:HB2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:HB3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:N | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:O | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:OD1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:OD2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:C | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:CA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:CB | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:CD1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:CD2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:CE1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:CE2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:CG | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:CZ | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:H | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:HA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:HB2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:HB3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:HD1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:HD2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:HE1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:HE2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:HZ | 13 | 1.17 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:N | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:O | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:C | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:CA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:CB | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:CD | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:CG | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:H | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:HA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:HB2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:HB3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:HG2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:HG3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:N | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:O | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:OE1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:OE2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:655:GLY:C | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:655:GLY:CA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:655:GLY:H | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:655:GLY:HA2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:655:GLY:HA3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:655:GLY:N | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:655:GLY:O | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:C | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:CA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:CB | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:CD1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:CD2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:CE1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:CE2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:CG | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:CZ | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:H | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:HA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:HB2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:HB3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:HD1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:HD2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:HE1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:HE2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:HZ | 13 | 1.17 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:N | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:O | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:C | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:CA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:CB | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:H | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:HA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:HB3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:N | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:O | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:O1P | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:O2P | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:O3P | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:OG | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:P | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:C | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:CA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:CB | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:CD1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:CD2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:CE1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:CE2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:CG | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:CZ | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:H | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:HA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:HB2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:HB3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:HD1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:HD2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:HE1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:HE2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:HH | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:N | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:O | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:OH | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:659:NH2:HN1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:659:NH2:HN2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:659:NH2:N | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:648:ACE:C | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:648:ACE:CH3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:648:ACE:H1 | 13 | 1.17 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HD22 | 2:B:648:ACE:H2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:648:ACE:H3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:648:ACE:O | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:C | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:CA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:CB | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:CG | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:H | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:HA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:HB2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:HB3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:N | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:O | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:OD1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:OD2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:C | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:CA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:CB | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:CD | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:CG | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:H | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:HA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:HB2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:HB3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:HE21 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:HE22 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:HG2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:HG3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:N | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:NE2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:O | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:OE1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:C | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:CA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:CB | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:H | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:HA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:HB2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:HB3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:HG | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:N | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:O | 13 | 1.17 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:OG | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:C | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:CA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:CB | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:CG | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:H | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:HA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:HB2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:HB3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:N | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:O | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:OD1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:OD2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:C | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:CA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:CB | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:CD1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:CD2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:CE1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:CE2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:CG | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:CZ | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:H | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:HA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:HB2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:HB3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:HD1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:HD2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:HE1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:HE2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:HZ | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:N | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:O | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:C | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:CA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:CB | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:CD | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:CG | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:H | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:HA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:HB2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:HB3 | 13 | 1.17 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:HG2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:HG3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:N | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:O | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:OE1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:OE2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:655:GLY:C | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:655:GLY:CA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:655:GLY:H | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:655:GLY:HA2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:655:GLY:HA3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:655:GLY:N | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:655:GLY:O | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:C | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:CA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:CB | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:CD1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:CD2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:CE1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:CE2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:CG | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:CZ | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:H | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:HA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:HB2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:HB3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:HD1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:HD2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:HE1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:HE2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:HZ | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:N | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:O | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:C | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:CA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:CB | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:H | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:HA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:HB3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:N | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:O | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:O1P | 13 | 1.17 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:O2P | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:O3P | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:OG | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:P | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:C | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:CA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:CB | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:CD1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:CD2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:CE1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:CE2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:CG | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:CZ | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:H | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:HA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:HB2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:HB3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:HD1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:HD2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:HE1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:HE2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:HH | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:N | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:O | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:OH | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:659:NH2:HN1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:659:NH2:HN2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:659:NH2:N | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:648:ACE:C | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:648:ACE:CH3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:648:ACE:H1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:648:ACE:H2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:648:ACE:H3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:648:ACE:O | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:C | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:CA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:CB | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:CG | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:H | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:HA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:HB2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:HB3 | 13 | 1.17 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:N | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:O | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:OD1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:OD2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:C | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:CA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:CB | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:CD | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:CG | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:H | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:HA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:HB2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:HB3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:HE21 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:HE22 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:HG2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:HG3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:N | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:NE2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:O | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:OE1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:C | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:CA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:CB | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:H | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:HA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:HB2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:HB3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:HG | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:N | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:O | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:OG | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:C | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:CA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:CB | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:CG | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:H | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:HA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:HB2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:HB3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:N | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:O | 13 | 1.17 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:OD1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:OD2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:C | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:CA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:CB | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:CD1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:CD2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:CE1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:CE2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:CG | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:CZ | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:H | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:HA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:HB2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:HB3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:HD1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:HD2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:HE1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:HE2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:HZ | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:N | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:O | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:C | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:CA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:CB | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:CD | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:CG | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:H | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:HA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:HB2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:HB3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:HG2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:HG3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:N | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:O | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:OE1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:OE2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:655:GLY:C | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:655:GLY:CA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:655:GLY:H | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:655:GLY:HA2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:655:GLY:HA3 | 13 | 1.17 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:N | 2:B:655:GLY:N | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:655:GLY:O | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:C | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:CA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:CB | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:CD1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:CD2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:CE1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:CE2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:CG | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:CZ | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:H | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:HA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:HB2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:HB3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:HD1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:HD2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:HE1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:HE2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:HZ | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:N | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:O | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:C | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:CA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:CB | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:H | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:HA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:HB3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:N | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:O | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:O1P | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:O2P | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:O3P | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:OG | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:P | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:C | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:CA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:CB | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:CD1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:CD2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:CE1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:CE2 | 13 | 1.17 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:CG | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:CZ | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:H | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:HA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:HB2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:HB3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:HD1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:HD2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:HE1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:HE2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:HH | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:N | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:O | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:OH | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:659:NH2:HN1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:659:NH2:HN2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:659:NH2:N | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:648:ACE:C | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:648:ACE:CH3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:648:ACE:H1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:648:ACE:H2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:648:ACE:H3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:648:ACE:O | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:C | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:CA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:CB | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:CG | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:H | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:HA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:HB2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:HB3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:N | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:O | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:OD1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:OD2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:C | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:CA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:CB | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:CD | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:CG | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:H | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:HA | 13 | 1.17 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:HB2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:HB3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:HE21 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:HE22 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:HG2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:HG3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:N | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:NE2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:O | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:OE1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:C | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:CA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:CB | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:H | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:HA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:HB2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:HB3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:HG | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:N | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:O | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:OG | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:C | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:CA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:CB | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:CG | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:H | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:HA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:HB2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:HB3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:N | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:O | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:OD1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:OD2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:C | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:CA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:CB | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:CD1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:CD2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:CE1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:CE2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:CG | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:CZ | 13 | 1.17 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:H | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:HA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:HB2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:HB3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:HD1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:HD2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:HE1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:HE2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:HZ | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:N | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:O | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:C | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:CA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:CB | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:CD | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:CG | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:H | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:HA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:HB2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:HB3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:HG2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:HG3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:N | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:O | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:OE1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:OE2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:655:GLY:C | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:655:GLY:CA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:655:GLY:H | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:655:GLY:HA2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:655:GLY:HA3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:655:GLY:N | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:655:GLY:O | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:C | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:CA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:CB | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:CD1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:CD2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:CE1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:CE2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:CG | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:CZ | 13 | 1.17 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:H | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:HA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:HB2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:HB3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:HD1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:HD2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:HE1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:HE2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:HZ | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:N | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:O | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:C | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:CA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:CB | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:H | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:HA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:HB3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:N | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:O | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:O1P | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:O2P | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:O3P | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:OG | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:P | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:C | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:CA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:CB | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:CD1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:CD2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:CE1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:CE2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:CG | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:CZ | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:H | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:HA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:HB2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:HB3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:HD1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:HD2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:HE1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:HE2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:HH | 13 | 1.17 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:N | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:O | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:OH | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:659:NH2:HN1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:659:NH2:HN2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:659:NH2:N | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:648:ACE:C | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:648:ACE:CH3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:648:ACE:H1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:648:ACE:H2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:648:ACE:H3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:648:ACE:O | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:C | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:CA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:CB | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:CG | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:H | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:HA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:HB2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:HB3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:N | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:O | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:OD1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:OD2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:C | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:CA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:CB | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:CD | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:CG | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:H | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:HA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:HB2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:HB3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:HE21 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:HE22 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:HG2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:HG3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:N | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:NE2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:O | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:OE1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:C | 13 | 1.17 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:CA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:CB | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:H | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:HA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:HB2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:HB3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:HG | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:N | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:O | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:OG | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:C | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:CA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:CB | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:CG | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:H | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:HA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:HB2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:HB3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:N | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:O | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:OD1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:OD2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:C | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:CA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:CB | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:CD1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:CD2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:CE1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:CE2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:CG | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:CZ | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:H | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:HA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:HB2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:HB3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:HD1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:HD2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:HE1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:HE2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:HZ | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:N | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:O | 13 | 1.17 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:C | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:CA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:CB | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:CD | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:CG | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:H | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:HA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:HB2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:HB3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:HG2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:HG3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:N | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:O | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:OE1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:OE2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:655:GLY:C | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:655:GLY:CA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:655:GLY:H | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:655:GLY:HA2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:655:GLY:HA3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:655:GLY:N | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:655:GLY:O | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:C | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:CA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:CB | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:CD1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:CD2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:CE1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:CE2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:CG | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:CZ | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:H | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:HA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:HB2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:HB3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:HD1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:HD2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:HE1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:HE2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:HZ | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:N | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:O | 13 | 1.17 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:C | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:CA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:CB | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:H | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:HA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:HB3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:N | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:O | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:O1P | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:O2P | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:O3P | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:OG | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:P | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:C | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:CA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:CB | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:CD1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:CD2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:CE1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:CE2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:CG | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:CZ | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:H | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:HA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:HB2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:HB3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:HD1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:HD2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:HE1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:HE2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:HH | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:N | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:O | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:OH | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:659:NH2:HN1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:659:NH2:HN2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:659:NH2:N | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:648:ACE:C | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:648:ACE:CH3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:648:ACE:H1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:648:ACE:H2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:648:ACE:H3 | 13 | 1.17 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:OD1 | 2:B:648:ACE:O | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:C | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:CA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:CB | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:CG | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:H | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:HA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:HB2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:HB3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:N | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:O | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:OD1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:OD2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:C | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:CA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:CB | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:CD | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:CG | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:H | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:HA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:HB2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:HB3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:HE21 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:HE22 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:HG2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:HG3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:N | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:NE2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:O | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:OE1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:C | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:CA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:CB | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:H | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:HA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:HB2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:HB3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:HG | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:N | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:O | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:OG | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:C | 13 | 1.17 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:CA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:CB | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:CG | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:H | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:HA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:HB2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:HB3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:N | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:O | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:OD1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:OD2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:C | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:CA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:CB | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:CD1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:CD2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:CE1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:CE2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:CG | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:CZ | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:H | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:HA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:HB2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:HB3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:HD1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:HD2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:HE1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:HE2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:HZ | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:N | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:O | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:C | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:CA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:CB | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:CD | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:CG | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:H | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:HA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:HB2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:HB3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:HG2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:HG3 | 13 | 1.17 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:N | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:O | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:OE1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:OE2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:655:GLY:C | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:655:GLY:CA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:655:GLY:H | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:655:GLY:HA2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:655:GLY:HA3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:655:GLY:N | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:655:GLY:O | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:C | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:CA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:CB | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:CD1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:CD2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:CE1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:CE2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:CG | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:CZ | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:H | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:HA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:HB2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:HB3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:HD1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:HD2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:HE1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:HE2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:HZ | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:N | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:O | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:C | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:CA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:CB | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:H | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:HA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:HB3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:N | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:O | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:O1P | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:O2P | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:O3P | 13 | 1.17 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:OG | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:P | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:C | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:CA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:CB | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:CD1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:CD2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:CE1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:CE2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:CG | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:CZ | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:H | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:HA | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:HB2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:HB3 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:HD1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:HD2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:HE1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:HE2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:HH | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:N | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:O | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:OH | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:659:NH2:HN1 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:659:NH2:HN2 | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:659:NH2:N | 13 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:648:ACE:C | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:648:ACE:CH3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:648:ACE:H1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:648:ACE:H2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:648:ACE:H3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:648:ACE:O | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:C | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:CA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:CB | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:CG | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:H | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:HA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:HB2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:HB3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:N | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:O | 19 | 1.17 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:OD1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:OD2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:C | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:CA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:CB | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:CD | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:CG | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:H | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:HA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:HB2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:HB3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:HE21 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:HE22 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:HG2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:HG3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:N | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:NE2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:O | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:OE1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:C | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:CA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:CB | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:H | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:HA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:HB2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:HB3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:HG | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:N | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:O | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:OG | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:C | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:CA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:CB | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:CG | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:H | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:HA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:HB2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:HB3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:N | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:O | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:OD1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:OD2 | 19 | 1.17 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:C | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:CA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:CB | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:CD1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:CD2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:CE1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:CE2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:CG | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:CZ | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:H | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:HA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:HB2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:HB3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:HD1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:HD2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:HE1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:HE2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:HZ | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:N | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:O | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:C | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:CA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:CB | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:CD | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:CG | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:H | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:HA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:HB2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:HB3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:HG2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:HG3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:N | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:O | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:OE1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:OE2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:655:GLY:C | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:655:GLY:CA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:655:GLY:H | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:655:GLY:HA2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:655:GLY:HA3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:655:GLY:N | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:655:GLY:O | 19 | 1.17 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:C | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:CA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:CB | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:CD1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:CD2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:CE1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:CE2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:CG | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:CZ | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:H | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:HA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:HB2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:HB3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:HD1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:HD2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:HE1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:HE2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:HZ | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:N | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:O | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:C | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:CA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:CB | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:H | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:HA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:HB3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:N | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:O | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:O1P | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:O2P | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:O3P | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:OG | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:P | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:C | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:CA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:CB | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:CD1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:CD2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:CE1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:CE2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:CG | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:CZ | 19 | 1.17 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:H | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:HA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:HB2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:HB3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:HD1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:HD2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:HE1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:HE2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:HH | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:N | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:O | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:OH | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:659:NH2:HN1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:659:NH2:HN2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:659:NH2:N | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:648:ACE:C | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:648:ACE:CH3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:648:ACE:H1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:648:ACE:H2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:648:ACE:H3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:648:ACE:O | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:C | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:CA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:CB | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:CG | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:H | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:HA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:HB2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:HB3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:N | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:O | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:OD1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:OD2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:C | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:CA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:CB | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:CD | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:CG | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:H | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:HA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:HB2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:HB3 | 19 | 1.17 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:HE21 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:HE22 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:HG2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:HG3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:N | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:NE2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:O | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:OE1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:C | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:CA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:CB | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:H | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:HA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:HB2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:HB3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:HG | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:N | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:O | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:OG | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:C | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:CA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:CB | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:CG | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:H | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:HA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:HB2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:HB3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:N | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:O | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:OD1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:OD2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:C | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:CA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:CB | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:CD1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:CD2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:CE1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:CE2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:CG | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:CZ | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:H | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:HA | 19 | 1.17 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:HB2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:HB3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:HD1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:HD2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:HE1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:HE2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:HZ | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:N | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:O | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:C | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:CA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:CB | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:CD | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:CG | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:H | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:HA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:HB2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:HB3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:HG2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:HG3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:N | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:O | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:OE1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:OE2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:655:GLY:C | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:655:GLY:CA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:655:GLY:H | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:655:GLY:HA2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:655:GLY:HA3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:655:GLY:N | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:655:GLY:O | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:C | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:CA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:CB | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:CD1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:CD2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:CE1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:CE2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:CG | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:CZ | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:H | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:HA | 19 | 1.17 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:HB2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:HB3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:HD1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:HD2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:HE1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:HE2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:HZ | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:N | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:O | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:C | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:CA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:CB | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:H | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:HA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:HB3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:N | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:O | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:O1P | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:O2P | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:O3P | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:OG | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:P | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:C | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:CA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:CB | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:CD1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:CD2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:CE1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:CE2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:CG | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:CZ | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:H | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:HA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:HB2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:HB3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:HD1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:HD2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:HE1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:HE2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:HH | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:N | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:O | 19 | 1.17 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:OH | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:659:NH2:HN1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:659:NH2:HN2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CA | 2:B:659:NH2:N | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:648:ACE:C | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:648:ACE:CH3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:648:ACE:H1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:648:ACE:H2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:648:ACE:H3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:648:ACE:O | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:C | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:CA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:CB | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:CG | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:H | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:HA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:HB2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:HB3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:N | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:O | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:OD1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:OD2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:C | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:CA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:CB | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:CD | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:CG | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:H | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:HA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:HB2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:HB3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:HE21 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:HE22 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:HG2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:HG3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:N | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:NE2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:O | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:OE1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:C | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:CA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:CB | 19 | 1.17 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:H | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:HA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:HB2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:HB3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:HG | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:N | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:O | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:OG | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:C | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:CA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:CB | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:CG | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:H | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:HA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:HB2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:HB3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:N | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:O | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:OD1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:OD2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:C | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:CA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:CB | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:CD1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:CD2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:CE1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:CE2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:CG | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:CZ | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:H | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:HA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:HB2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:HB3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:HD1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:HD2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:HE1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:HE2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:HZ | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:N | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:O | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:C | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:CA | 19 | 1.17 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:CB | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:CD | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:CG | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:H | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:HA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:HB2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:HB3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:HG2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:HG3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:N | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:O | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:OE1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:OE2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:655:GLY:C | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:655:GLY:CA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:655:GLY:H | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:655:GLY:HA2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:655:GLY:HA3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:655:GLY:N | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:655:GLY:O | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:C | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:CA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:CB | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:CD1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:CD2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:CE1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:CE2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:CG | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:CZ | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:H | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:HA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:HB2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:HB3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:HD1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:HD2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:HE1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:HE2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:HZ | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:N | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:O | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:C | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:CA | 19 | 1.17 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:CB | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:H | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:HA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:HB3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:N | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:O | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:O1P | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:O2P | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:O3P | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:OG | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:P | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:C | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:CA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:CB | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:CD1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:CD2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:CE1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:CE2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:CG | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:CZ | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:H | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:HA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:HB2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:HB3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:HD1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:HD2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:HE1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:HE2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:HH | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:N | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:O | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:OH | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:659:NH2:HN1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:659:NH2:HN2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CB | 2:B:659:NH2:N | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:648:ACE:C | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:648:ACE:CH3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:648:ACE:H1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:648:ACE:H2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:648:ACE:H3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:648:ACE:O | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:C | 19 | 1.17 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:CA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:CB | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:CG | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:H | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:HA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:HB2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:HB3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:N | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:O | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:OD1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:OD2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:C | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:CA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:CB | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:CD | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:CG | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:H | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:HA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:HB2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:HB3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:HE21 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:HE22 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:HG2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:HG3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:N | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:NE2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:O | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:OE1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:C | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:CA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:CB | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:H | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:HA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:HB2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:HB3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:HG | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:N | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:O | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:OG | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:C | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:CA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:CB | 19 | 1.17 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:CG | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:H | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:HA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:HB2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:HB3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:N | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:O | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:OD1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:OD2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:C | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:CA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:CB | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:CD1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:CD2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:CE1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:CE2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:CG | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:CZ | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:H | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:HA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:HB2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:HB3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:HD1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:HD2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:HE1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:HE2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:HZ | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:N | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:O | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:C | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:CA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:CB | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:CD | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:CG | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:H | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:HA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:HB2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:HB3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:HG2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:HG3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:N | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:O | 19 | 1.17 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:OE1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:OE2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:655:GLY:C | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:655:GLY:CA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:655:GLY:H | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:655:GLY:HA2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:655:GLY:HA3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:655:GLY:N | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:655:GLY:O | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:C | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:CA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:CB | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:CD1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:CD2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:CE1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:CE2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:CG | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:CZ | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:H | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:HA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:HB2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:HB3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:HD1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:HD2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:HE1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:HE2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:HZ | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:N | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:O | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:C | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:CA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:CB | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:H | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:HA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:HB3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:N | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:O | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:O1P | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:O2P | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:O3P | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:OG | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:P | 19 | 1.17 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:C | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:CA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:CB | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:CD1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:CD2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:CE1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:CE2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:CG | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:CZ | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:H | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:HA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:HB2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:HB3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:HD1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:HD2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:HE1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:HE2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:HH | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:N | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:O | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:OH | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:659:NH2:HN1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:659:NH2:HN2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:CG | 2:B:659:NH2:N | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:648:ACE:C | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:648:ACE:CH3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:648:ACE:H1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:648:ACE:H2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:648:ACE:H3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:648:ACE:O | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:C | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:CA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:CB | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:CG | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:H | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:HA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:HB2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:HB3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:N | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:O | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:OD1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:OD2 | 19 | 1.17 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:C | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:CA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:CB | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:CD | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:CG | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:H | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:HA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:HB2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:HB3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:HE21 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:HE22 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:HG2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:HG3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:N | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:NE2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:O | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:OE1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:C | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:CA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:CB | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:H | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:HA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:HB2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:HB3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:HG | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:N | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:O | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:OG | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:C | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:CA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:CB | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:CG | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:H | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:HA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:HB2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:HB3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:N | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:O | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:OD1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:OD2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:C | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:CA | 19 | 1.17 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:CB | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:CD1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:CD2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:CE1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:CE2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:CG | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:CZ | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:H | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:HA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:HB2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:HB3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:HD1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:HD2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:HE1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:HE2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:HZ | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:N | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:O | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:C | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:CA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:CB | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:CD | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:CG | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:H | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:HA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:HB2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:HB3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:HG2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:HG3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:N | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:O | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:OE1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:OE2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:655:GLY:C | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:655:GLY:CA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:655:GLY:H | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:655:GLY:HA2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:655:GLY:HA3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:655:GLY:N | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:655:GLY:O | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:C | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:CA | 19 | 1.17 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:CB | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:CD1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:CD2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:CE1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:CE2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:CG | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:CZ | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:H | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:HA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:HB2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:HB3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:HD1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:HD2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:HE1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:HE2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:HZ | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:N | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:O | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:C | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:CA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:CB | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:H | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:HA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:HB3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:N | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:O | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:O1P | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:O2P | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:O3P | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:OG | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:P | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:C | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:CA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:CB | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:CD1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:CD2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:CE1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:CE2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:CG | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:CZ | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:H | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:HA | 19 | 1.17 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:HB2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:HB3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:HD1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:HD2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:HE1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:HE2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:HH | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:N | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:O | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:OH | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:659:NH2:HN1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:659:NH2:HN2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:H | 2:B:659:NH2:N | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:648:ACE:C | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:648:ACE:CH3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:648:ACE:H1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:648:ACE:H2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:648:ACE:H3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:648:ACE:O | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:C | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:CA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:CB | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:CG | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:H | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:HA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:HB2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:HB3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:N | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:O | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:OD1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:OD2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:C | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:CA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:CB | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:CD | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:CG | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:H | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:HA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:HB2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:HB3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:HE21 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:HE22 | 19 | 1.17 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:HG2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:HG3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:N | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:NE2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:O | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:OE1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:C | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:CA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:CB | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:H | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:HA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:HB2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:HB3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:HG | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:N | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:O | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:OG | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:C | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:CA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:CB | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:CG | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:H | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:HA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:HB2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:HB3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:N | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:O | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:OD1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:OD2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:C | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:CA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:CB | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:CD1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:CD2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:CE1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:CE2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:CG | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:CZ | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:H | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:HA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:HB2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:HB3 | 19 | 1.17 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:HD1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:HD2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:HE1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:HE2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:HZ | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:N | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:O | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:C | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:CA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:CB | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:CD | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:CG | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:H | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:HA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:HB2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:HB3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:HG2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:HG3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:N | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:O | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:OE1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:OE2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:655:GLY:C | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:655:GLY:CA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:655:GLY:H | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:655:GLY:HA2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:655:GLY:HA3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:655:GLY:N | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:655:GLY:O | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:C | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:CA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:CB | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:CD1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:CD2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:CE1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:CE2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:CG | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:CZ | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:H | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:HA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:HB2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:HB3 | 19 | 1.17 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:HD1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:HD2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:HE1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:HE2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:HZ | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:N | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:O | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:C | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:CA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:CB | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:H | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:HA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:HB3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:N | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:O | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:O1P | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:O2P | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:O3P | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:OG | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:P | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:C | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:CA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:CB | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:CD1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:CD2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:CE1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:CE2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:CG | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:CZ | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:H | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:HA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:HB2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:HB3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:HD1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:HD2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:HE1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:HE2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:HH | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:N | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:O | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:OH | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:659:NH2:HN1 | 19 | 1.17 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HA | 2:B:659:NH2:HN2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HA | 2:B:659:NH2:N | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:648:ACE:C | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:648:ACE:CH3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:648:ACE:H1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:648:ACE:H2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:648:ACE:H3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:648:ACE:O | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:C | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:CA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:CB | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:CG | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:H | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:HA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:HB2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:HB3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:N | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:O | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:OD1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:OD2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:C | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:CA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:CB | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:CD | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:CG | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:H | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:HA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:HB2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:HB3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:HE21 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:HE22 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:HG2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:HG3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:N | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:NE2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:O | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:OE1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:C | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:CA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:CB | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:H | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:HA | 19 | 1.17 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:HB2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:HB3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:HG | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:N | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:O | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:OG | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:C | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:CA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:CB | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:CG | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:H | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:HA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:HB2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:HB3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:N | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:O | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:OD1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:OD2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:C | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:CA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:CB | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:CD1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:CD2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:CE1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:CE2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:CG | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:CZ | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:H | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:HA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:HB2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:HB3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:HD1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:HD2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:HE1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:HE2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:HZ | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:N | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:O | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:C | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:CA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:CB | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:CD | 19 | 1.17 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:CG | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:H | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:HA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:HB2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:HB3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:HG2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:HG3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:N | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:O | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:OE1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:OE2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:655:GLY:C | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:655:GLY:CA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:655:GLY:H | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:655:GLY:HA2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:655:GLY:HA3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:655:GLY:N | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:655:GLY:O | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:C | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:CA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:CB | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:CD1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:CD2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:CE1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:CE2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:CG | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:CZ | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:H | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:HA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:HB2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:HB3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:HD1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:HD2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:HE1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:HE2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:HZ | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:N | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:O | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:C | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:CA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:CB | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:H | 19 | 1.17 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:HA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:HB3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:N | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:O | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:O1P | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:O2P | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:O3P | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:OG | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:P | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:C | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:CA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:CB | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:CD1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:CD2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:CE1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:CE2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:CG | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:CZ | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:H | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:HA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:HB2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:HB3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:HD1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:HD2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:HE1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:HE2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:HH | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:N | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:O | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:OH | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:659:NH2:HN1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:659:NH2:HN2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:659:NH2:N | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:648:ACE:C | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:648:ACE:CH3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:648:ACE:H1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:648:ACE:H2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:648:ACE:H3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:648:ACE:O | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:C | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:CA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:CB | 19 | 1.17 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:CG | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:H | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:HA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:HB2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:HB3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:N | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:O | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:OD1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:OD2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:C | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:CA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:CB | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:CD | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:CG | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:H | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:HA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:HB2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:HB3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:HE21 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:HE22 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:HG2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:HG3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:N | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:NE2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:O | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:OE1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:C | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:CA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:CB | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:H | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:HA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:HB2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:HB3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:HG | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:N | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:O | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:OG | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:C | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:CA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:CB | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:CG | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:H | 19 | 1.17 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:HA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:HB2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:HB3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:N | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:O | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:OD1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:OD2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:C | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:CA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:CB | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:CD1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:CD2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:CE1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:CE2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:CG | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:CZ | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:H | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:HA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:HB2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:HB3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:HD1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:HD2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:HE1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:HE2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:HZ | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:N | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:O | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:C | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:CA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:CB | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:CD | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:CG | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:H | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:HA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:HB2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:HB3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:HG2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:HG3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:N | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:O | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:OE1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:OE2 | 19 | 1.17 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HB3 | 2:B:655:GLY:C | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:655:GLY:CA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:655:GLY:H | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:655:GLY:HA2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:655:GLY:HA3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:655:GLY:N | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:655:GLY:O | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:C | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:CA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:CB | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:CD1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:CD2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:CE1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:CE2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:CG | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:CZ | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:H | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:HA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:HB2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:HB3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:HD1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:HD2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:HE1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:HE2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:HZ | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:N | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:O | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:C | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:CA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:CB | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:H | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:HA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:HB3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:N | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:O | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:O1P | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:O2P | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:O3P | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:OG | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:P | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:C | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:CA | 19 | 1.17 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:CB | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:CD1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:CD2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:CE1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:CE2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:CG | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:CZ | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:H | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:HA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:HB2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:HB3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:HD1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:HD2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:HE1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:HE2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:HH | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:N | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:O | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:OH | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:659:NH2:HN1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:659:NH2:HN2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:659:NH2:N | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:648:ACE:C | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:648:ACE:CH3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:648:ACE:H1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:648:ACE:H2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:648:ACE:H3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:648:ACE:O | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:C | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:CA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:CB | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:CG | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:H | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:HA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:HB2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:HB3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:N | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:O | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:OD1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:OD2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:C | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:CA | 19 | 1.17 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:CB | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:CD | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:CG | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:H | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:HA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:HB2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:HB3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:HE21 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:HE22 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:HG2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:HG3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:N | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:NE2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:O | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:OE1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:C | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:CA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:CB | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:H | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:HA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:HB2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:HB3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:HG | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:N | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:O | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:OG | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:C | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:CA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:CB | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:CG | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:H | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:HA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:HB2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:HB3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:N | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:O | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:OD1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:OD2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:C | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:CA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:CB | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:CD1 | 19 | 1.17 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:CD2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:CE1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:CE2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:CG | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:CZ | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:H | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:HA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:HB2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:HB3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:HD1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:HD2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:HE1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:HE2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:HZ | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:N | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:O | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:C | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:CA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:CB | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:CD | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:CG | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:H | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:HA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:HB2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:HB3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:HG2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:HG3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:N | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:O | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:OE1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:OE2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:655:GLY:C | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:655:GLY:CA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:655:GLY:H | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:655:GLY:HA2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:655:GLY:HA3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:655:GLY:N | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:655:GLY:O | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:C | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:CA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:CB | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:CD1 | 19 | 1.17 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:CD2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:CE1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:CE2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:CG | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:CZ | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:H | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:HA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:HB2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:HB3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:HD1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:HD2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:HE1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:HE2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:HZ | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:N | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:O | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:C | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:CA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:CB | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:H | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:HA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:HB3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:N | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:O | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:O1P | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:O2P | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:O3P | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:OG | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:P | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:C | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:CA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:CB | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:CD1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:CD2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:CE1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:CE2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:CG | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:CZ | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:H | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:HA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:HB2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:HB3 | 19 | 1.17 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:HD1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:HD2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:HE1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:HE2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:HH | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:N | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:O | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:OH | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:659:NH2:HN1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:659:NH2:HN2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:659:NH2:N | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:648:ACE:C | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:648:ACE:CH3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:648:ACE:H1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:648:ACE:H2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:648:ACE:H3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:648:ACE:O | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:C | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:CA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:CB | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:CG | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:H | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:HA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:HB2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:HB3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:N | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:O | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:OD1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:OD2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:C | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:CA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:CB | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:CD | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:CG | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:H | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:HA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:HB2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:HB3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:HE21 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:HE22 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:HG2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:HG3 | 19 | 1.17 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:N | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:NE2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:O | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:OE1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:C | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:CA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:CB | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:H | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:HA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:HB2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:HB3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:HG | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:N | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:O | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:OG | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:C | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:CA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:CB | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:CG | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:H | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:HA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:HB2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:HB3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:N | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:O | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:OD1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:OD2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:C | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:CA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:CB | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:CD1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:CD2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:CE1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:CE2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:CG | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:CZ | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:H | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:HA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:HB2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:HB3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:HD1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:HD2 | 19 | 1.17 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:HE1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:HE2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:HZ | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:N | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:O | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:C | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:CA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:CB | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:CD | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:CG | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:H | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:HA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:HB2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:HB3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:HG2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:HG3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:N | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:O | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:OE1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:OE2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:655:GLY:C | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:655:GLY:CA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:655:GLY:H | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:655:GLY:HA2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:655:GLY:HA3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:655:GLY:N | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:655:GLY:O | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:C | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:CA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:CB | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:CD1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:CD2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:CE1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:CE2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:CG | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:CZ | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:H | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:HA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:HB2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:HB3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:HD1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:HD2 | 19 | 1.17 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:HE1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:HE2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:HZ | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:N | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:O | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:C | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:CA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:CB | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:H | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:HA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:HB3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:N | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:O | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:O1P | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:O2P | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:O3P | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:OG | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:P | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:C | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:CA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:CB | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:CD1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:CD2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:CE1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:CE2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:CG | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:CZ | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:H | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:HA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:HB2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:HB3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:HD1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:HD2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:HE1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:HE2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:HH | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:N | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:O | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:OH | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:659:NH2:HN1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:659:NH2:HN2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:659:NH2:N | 19 | 1.17 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:N | 2:B:648:ACE:C | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:648:ACE:CH3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:648:ACE:H1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:648:ACE:H2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:648:ACE:H3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:648:ACE:O | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:C | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:CA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:CB | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:CG | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:H | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:HA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:HB2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:HB3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:N | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:O | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:OD1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:OD2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:C | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:CA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:CB | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:CD | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:CG | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:H | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:HA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:HB2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:HB3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:HE21 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:HE22 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:HG2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:HG3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:N | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:NE2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:O | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:OE1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:C | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:CA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:CB | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:H | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:HA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:HB2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:HB3 | 19 | 1.17 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:HG | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:N | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:O | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:OG | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:C | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:CA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:CB | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:CG | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:H | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:HA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:HB2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:HB3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:N | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:O | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:OD1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:OD2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:C | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:CA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:CB | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:CD1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:CD2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:CE1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:CE2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:CG | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:CZ | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:H | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:HA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:HB2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:HB3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:HD1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:HD2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:HE1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:HE2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:HZ | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:N | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:O | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:C | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:CA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:CB | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:CD | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:CG | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:H | 19 | 1.17 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:HA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:HB2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:HB3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:HG2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:HG3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:N | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:O | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:OE1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:OE2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:655:GLY:C | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:655:GLY:CA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:655:GLY:H | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:655:GLY:HA2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:655:GLY:HA3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:655:GLY:N | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:655:GLY:O | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:C | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:CA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:CB | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:CD1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:CD2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:CE1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:CE2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:CG | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:CZ | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:H | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:HA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:HB2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:HB3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:HD1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:HD2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:HE1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:HE2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:HZ | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:N | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:O | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:C | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:CA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:CB | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:H | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:HA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:HB3 | 19 | 1.17 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:N | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:O | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:O1P | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:O2P | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:O3P | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:OG | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:P | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:C | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:CA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:CB | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:CD1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:CD2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:CE1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:CE2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:CG | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:CZ | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:H | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:HA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:HB2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:HB3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:HD1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:HD2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:HE1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:HE2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:HH | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:N | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:O | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:OH | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:659:NH2:HN1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:659:NH2:HN2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:N | 2:B:659:NH2:N | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:648:ACE:C | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:648:ACE:CH3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:648:ACE:H1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:648:ACE:H2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:648:ACE:H3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:648:ACE:O | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:C | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:CA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:CB | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:CG | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:H | 19 | 1.17 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:HA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:HB2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:HB3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:N | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:O | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:OD1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:OD2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:C | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:CA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:CB | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:CD | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:CG | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:H | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:HA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:HB2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:HB3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:HE21 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:HE22 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:HG2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:HG3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:N | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:NE2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:O | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:OE1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:C | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:CA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:CB | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:H | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:HA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:HB2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:HB3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:HG | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:N | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:O | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:OG | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:C | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:CA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:CB | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:CG | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:H | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:HA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:HB2 | 19 | 1.17 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:HB3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:N | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:O | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:OD1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:OD2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:C | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:CA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:CB | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:CD1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:CD2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:CE1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:CE2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:CG | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:CZ | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:H | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:HA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:HB2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:HB3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:HD1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:HD2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:HE1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:HE2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:HZ | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:N | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:O | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:C | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:CA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:CB | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:CD | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:CG | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:H | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:HA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:HB2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:HB3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:HG2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:HG3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:N | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:O | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:OE1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:OE2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:655:GLY:C | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:655:GLY:CA | 19 | 1.17 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:ND2 | 2:B:655:GLY:H | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:655:GLY:HA2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:655:GLY:HA3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:655:GLY:N | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:655:GLY:O | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:C | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:CA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:CB | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:CD1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:CD2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:CE1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:CE2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:CG | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:CZ | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:H | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:HA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:HB2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:HB3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:HD1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:HD2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:HE1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:HE2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:HZ | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:N | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:O | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:C | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:CA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:CB | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:H | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:HA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:HB3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:N | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:O | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:O1P | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:O2P | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:O3P | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:OG | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:P | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:C | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:CA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:CB | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:CD1 | 19 | 1.17 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:CD2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:CE1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:CE2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:CG | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:CZ | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:H | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:HA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:HB2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:HB3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:HD1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:HD2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:HE1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:HE2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:HH | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:N | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:O | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:OH | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:659:NH2:HN1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:659:NH2:HN2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:659:NH2:N | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:648:ACE:C | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:648:ACE:CH3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:648:ACE:H1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:648:ACE:H2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:648:ACE:H3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:648:ACE:O | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:C | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:CA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:CB | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:CG | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:H | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:HA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:HB2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:HB3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:N | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:O | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:OD1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:OD2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:C | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:CA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:CB | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:CD | 19 | 1.17 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:CG | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:H | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:HA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:HB2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:HB3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:HE21 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:HE22 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:HG2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:HG3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:N | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:NE2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:O | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:OE1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:C | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:CA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:CB | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:H | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:HA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:HB2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:HB3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:HG | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:N | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:O | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:OG | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:C | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:CA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:CB | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:CG | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:H | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:HA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:HB2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:HB3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:N | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:O | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:OD1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:OD2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:C | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:CA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:CB | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:CD1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:CD2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:CE1 | 19 | 1.17 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:CE2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:CG | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:CZ | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:H | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:HA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:HB2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:HB3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:HD1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:HD2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:HE1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:HE2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:HZ | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:N | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:O | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:C | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:CA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:CB | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:CD | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:CG | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:H | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:HA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:HB2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:HB3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:HG2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:HG3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:N | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:O | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:OE1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:OE2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:655:GLY:C | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:655:GLY:CA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:655:GLY:H | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:655:GLY:HA2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:655:GLY:HA3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:655:GLY:N | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:655:GLY:O | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:C | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:CA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:CB | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:CD1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:CD2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:CE1 | 19 | 1.17 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:CE2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:CG | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:CZ | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:H | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:HA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:HB2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:HB3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:HD1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:HD2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:HE1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:HE2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:HZ | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:N | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:O | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:C | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:CA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:CB | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:H | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:HA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:HB3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:N | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:O | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:O1P | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:O2P | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:O3P | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:OG | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:P | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:C | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:CA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:CB | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:CD1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:CD2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:CE1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:CE2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:CG | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:CZ | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:H | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:HA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:HB2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:HB3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:HD1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:HD2 | 19 | 1.17 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:HE1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:HE2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:HH | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:N | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:O | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:OH | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:659:NH2:HN1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:659:NH2:HN2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:O | 2:B:659:NH2:N | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:648:ACE:C | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:648:ACE:CH3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:648:ACE:H1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:648:ACE:H2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:648:ACE:H3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:648:ACE:O | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:C | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:CA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:CB | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:CG | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:H | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:HA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:HB2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:HB3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:N | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:O | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:OD1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:OD2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:C | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:CA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:CB | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:CD | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:CG | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:H | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:HA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:HB2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:HB3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:HE21 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:HE22 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:HG2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:HG3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:N | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:NE2 | 19 | 1.17 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:O | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:OE1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:C | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:CA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:CB | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:H | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:HA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:HB2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:HB3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:HG | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:N | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:O | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:OG | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:C | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:CA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:CB | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:CG | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:H | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:HA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:HB2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:HB3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:N | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:O | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:OD1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:OD2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:C | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:CA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:CB | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:CD1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:CD2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:CE1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:CE2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:CG | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:CZ | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:H | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:HA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:HB2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:HB3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:HD1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:HD2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:HE1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:HE2 | 19 | 1.17 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:HZ | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:N | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:O | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:C | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:CA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:CB | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:CD | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:CG | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:H | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:HA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:HB2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:HB3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:HG2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:HG3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:N | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:O | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:OE1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:OE2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:655:GLY:C | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:655:GLY:CA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:655:GLY:H | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:655:GLY:HA2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:655:GLY:HA3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:655:GLY:N | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:655:GLY:O | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:C | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:CA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:CB | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:CD1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:CD2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:CE1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:CE2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:CG | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:CZ | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:H | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:HA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:HB2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:HB3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:HD1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:HD2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:HE1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:HE2 | 19 | 1.17 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:HZ | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:N | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:O | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:C | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:CA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:CB | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:H | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:HA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:HB3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:N | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:O | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:O1P | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:O2P | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:O3P | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:OG | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:P | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:C | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:CA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:CB | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:CD1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:CD2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:CE1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:CE2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:CG | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:CZ | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:H | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:HA | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:HB2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:HB3 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:HD1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:HD2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:HE1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:HE2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:HH | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:N | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:O | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:OH | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:659:NH2:HN1 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:659:NH2:HN2 | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:659:NH2:N | 19 | 1.17 |
| (1,34) | 1:A:253:ASN:C | 2:B:648:ACE:C | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:C | 2:B:648:ACE:CH3 | 5 | 1.16 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:C | 2:B:648:ACE:H1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:C | 2:B:648:ACE:H2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:C | 2:B:648:ACE:H3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:C | 2:B:648:ACE:O | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:C | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:CA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:CB | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:CG | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:H | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:HA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:HB2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:HB3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:N | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:O | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:OD1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:OD2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:C | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:CA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:CB | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:CD | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:CG | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:H | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:HA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:HB2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:HB3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:HE21 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:HE22 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:HG2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:HG3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:N | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:NE2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:O | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:OE1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:C | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:CA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:CB | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:H | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:HA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:HB2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:HB3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:HG | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:N | 5 | 1.16 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:O | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:OG | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:C | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:CA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:CB | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:CG | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:H | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:HA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:HB2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:HB3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:N | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:O | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:OD1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:OD2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:C | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:CA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:CB | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:CD1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:CD2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:CE1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:CE2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:CG | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:CZ | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:H | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:HA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:HB2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:HB3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:HD1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:HD2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:HE1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:HE2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:HZ | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:N | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:O | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:C | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:CA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:CB | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:CD | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:CG | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:H | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:HA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:HB2 | 5 | 1.16 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:HB3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:HG2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:HG3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:N | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:O | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:OE1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:OE2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:C | 2:B:655:GLY:C | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:C | 2:B:655:GLY:CA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:C | 2:B:655:GLY:H | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:C | 2:B:655:GLY:HA2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:C | 2:B:655:GLY:HA3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:C | 2:B:655:GLY:N | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:C | 2:B:655:GLY:O | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:C | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:CA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:CB | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:CD1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:CD2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:CE1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:CE2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:CG | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:CZ | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:H | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:HA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:HB2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:HB3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:HD1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:HD2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:HE1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:HE2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:HZ | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:N | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:O | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:C | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:CA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:CB | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:H | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:HA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:HB3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:N | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:O | 5 | 1.16 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:O1P | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:O2P | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:O3P | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:OG | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:P | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:C | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:CA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:CB | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:CD1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:CD2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:CE1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:CE2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:CG | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:CZ | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:H | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:HA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:HB2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:HB3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:HD1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:HD2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:HE1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:HE2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:HH | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:N | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:O | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:OH | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:C | 2:B:659:NH2:HN1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:C | 2:B:659:NH2:HN2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:C | 2:B:659:NH2:N | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CA | 2:B:648:ACE:C | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CA | 2:B:648:ACE:CH3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CA | 2:B:648:ACE:H1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CA | 2:B:648:ACE:H2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CA | 2:B:648:ACE:H3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CA | 2:B:648:ACE:O | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:C | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:CA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:CB | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:CG | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:H | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:HA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:HB2 | 5 | 1.16 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:HB3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:N | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:O | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:OD1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:OD2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:C | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:CA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:CB | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:CD | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:CG | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:H | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:HA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:HB2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:HB3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:HE21 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:HE22 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:HG2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:HG3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:N | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:NE2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:O | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:OE1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:C | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:CA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:CB | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:H | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:HA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:HB2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:HB3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:HG | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:N | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:O | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:OG | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:C | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:CA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:CB | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:CG | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:H | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:HA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:HB2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:HB3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:N | 5 | 1.16 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:O | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:OD1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:OD2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:C | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:CA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:CB | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:CD1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:CD2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:CE1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:CE2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:CG | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:CZ | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:H | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:HA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:HB2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:HB3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:HD1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:HD2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:HE1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:HE2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:HZ | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:N | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:O | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:C | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:CA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:CB | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:CD | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:CG | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:H | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:HA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:HB2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:HB3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:HG2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:HG3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:N | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:O | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:OE1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:OE2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CA | 2:B:655:GLY:C | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CA | 2:B:655:GLY:CA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CA | 2:B:655:GLY:H | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CA | 2:B:655:GLY:HA2 | 5 | 1.16 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CA | 2:B:655:GLY:HA3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CA | 2:B:655:GLY:N | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CA | 2:B:655:GLY:O | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:C | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:CA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:CB | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:CD1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:CD2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:CE1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:CE2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:CG | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:CZ | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:H | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:HA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:HB2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:HB3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:HD1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:HD2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:HE1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:HE2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:HZ | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:N | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:O | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:C | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:CA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:CB | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:H | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:HA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:HB3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:N | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:O | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:O1P | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:O2P | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:O3P | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:OG | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:P | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:C | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:CA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:CB | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:CD1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:CD2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:CE1 | 5 | 1.16 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:CE2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:CG | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:CZ | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:H | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:HA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:HB2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:HB3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:HD1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:HD2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:HE1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:HE2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:HH | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:N | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:O | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:OH | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CA | 2:B:659:NH2:HN1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CA | 2:B:659:NH2:HN2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CA | 2:B:659:NH2:N | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CB | 2:B:648:ACE:C | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CB | 2:B:648:ACE:CH3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CB | 2:B:648:ACE:H1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CB | 2:B:648:ACE:H2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CB | 2:B:648:ACE:H3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CB | 2:B:648:ACE:O | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:C | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:CA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:CB | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:CG | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:H | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:HA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:HB2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:HB3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:N | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:O | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:OD1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:OD2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:C | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:CA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:CB | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:CD | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:CG | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:H | 5 | 1.16 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:HA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:HB2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:HB3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:HE21 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:HE22 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:HG2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:HG3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:N | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:NE2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:O | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:OE1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:C | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:CA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:CB | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:H | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:HA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:HB2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:HB3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:HG | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:N | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:O | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:OG | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:C | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:CA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:CB | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:CG | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:H | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:HA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:HB2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:HB3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:N | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:O | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:OD1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:OD2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:C | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:CA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:CB | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:CD1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:CD2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:CE1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:CE2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:CG | 5 | 1.16 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:CZ | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:H | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:HA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:HB2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:HB3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:HD1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:HD2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:HE1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:HE2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:HZ | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:N | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:O | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:C | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:CA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:CB | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:CD | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:CG | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:H | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:HA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:HB2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:HB3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:HG2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:HG3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:N | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:O | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:OE1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:OE2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CB | 2:B:655:GLY:C | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CB | 2:B:655:GLY:CA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CB | 2:B:655:GLY:H | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CB | 2:B:655:GLY:HA2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CB | 2:B:655:GLY:HA3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CB | 2:B:655:GLY:N | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CB | 2:B:655:GLY:O | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:C | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:CA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:CB | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:CD1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:CD2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:CE1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:CE2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:CG | 5 | 1.16 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:CZ | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:H | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:HA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:HB2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:HB3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:HD1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:HD2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:HE1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:HE2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:HZ | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:N | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:O | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:C | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:CA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:CB | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:H | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:HA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:HB3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:N | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:O | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:O1P | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:O2P | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:O3P | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:OG | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:P | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:C | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:CA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:CB | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:CD1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:CD2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:CE1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:CE2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:CG | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:CZ | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:H | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:HA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:HB2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:HB3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:HD1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:HD2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:HE1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:HE2 | 5 | 1.16 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:HH | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:N | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:O | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:OH | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CB | 2:B:659:NH2:HN1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CB | 2:B:659:NH2:HN2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CB | 2:B:659:NH2:N | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CG | 2:B:648:ACE:C | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CG | 2:B:648:ACE:CH3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CG | 2:B:648:ACE:H1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CG | 2:B:648:ACE:H2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CG | 2:B:648:ACE:H3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CG | 2:B:648:ACE:O | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:C | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:CA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:CB | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:CG | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:H | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:HA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:HB2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:HB3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:N | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:O | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:OD1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:OD2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:C | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:CA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:CB | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:CD | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:CG | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:H | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:HA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:HB2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:HB3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:HE21 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:HE22 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:HG2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:HG3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:N | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:NE2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:O | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:OE1 | 5 | 1.16 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:C | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:CA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:CB | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:H | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:HA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:HB2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:HB3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:HG | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:N | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:O | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:OG | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:C | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:CA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:CB | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:CG | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:H | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:HA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:HB2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:HB3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:N | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:O | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:OD1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:OD2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:C | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:CA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:CB | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:CD1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:CD2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:CE1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:CE2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:CG | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:CZ | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:H | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:HA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:HB2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:HB3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:HD1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:HD2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:HE1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:HE2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:HZ | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:N | 5 | 1.16 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:O | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:C | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:CA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:CB | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:CD | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:CG | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:H | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:HA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:HB2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:HB3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:HG2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:HG3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:N | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:O | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:OE1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:OE2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CG | 2:B:655:GLY:C | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CG | 2:B:655:GLY:CA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CG | 2:B:655:GLY:H | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CG | 2:B:655:GLY:HA2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CG | 2:B:655:GLY:HA3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CG | 2:B:655:GLY:N | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CG | 2:B:655:GLY:O | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:C | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:CA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:CB | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:CD1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:CD2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:CE1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:CE2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:CG | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:CZ | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:H | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:HA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:HB2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:HB3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:HD1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:HD2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:HE1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:HE2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:HZ | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:N | 5 | 1.16 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:O | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:C | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:CA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:CB | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:H | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:HA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:HB3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:N | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:O | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:O1P | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:O2P | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:O3P | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:OG | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:P | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:C | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:CA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:CB | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:CD1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:CD2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:CE1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:CE2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:CG | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:CZ | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:H | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:HA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:HB2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:HB3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:HD1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:HD2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:HE1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:HE2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:HH | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:N | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:O | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:OH | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CG | 2:B:659:NH2:HN1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CG | 2:B:659:NH2:HN2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:CG | 2:B:659:NH2:N | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:H | 2:B:648:ACE:C | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:H | 2:B:648:ACE:CH3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:H | 2:B:648:ACE:H1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:H | 2:B:648:ACE:H2 | 5 | 1.16 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:H | 2:B:648:ACE:H3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:H | 2:B:648:ACE:O | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:C | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:CA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:CB | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:CG | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:H | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:HA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:HB2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:HB3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:N | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:O | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:OD1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:OD2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:C | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:CA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:CB | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:CD | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:CG | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:H | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:HA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:HB2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:HB3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:HE21 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:HE22 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:HG2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:HG3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:N | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:NE2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:O | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:OE1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:C | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:CA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:CB | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:H | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:HA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:HB2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:HB3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:HG | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:N | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:O | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:OG | 5 | 1.16 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:C | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:CA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:CB | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:CG | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:H | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:HA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:HB2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:HB3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:N | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:O | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:OD1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:OD2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:C | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:CA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:CB | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:CD1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:CD2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:CE1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:CE2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:CG | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:CZ | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:H | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:HA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:HB2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:HB3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:HD1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:HD2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:HE1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:HE2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:HZ | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:N | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:O | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:C | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:CA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:CB | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:CD | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:CG | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:H | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:HA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:HB2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:HB3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:HG2 | 5 | 1.16 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:HG3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:N | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:O | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:OE1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:OE2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:H | 2:B:655:GLY:C | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:H | 2:B:655:GLY:CA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:H | 2:B:655:GLY:H | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:H | 2:B:655:GLY:HA2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:H | 2:B:655:GLY:HA3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:H | 2:B:655:GLY:N | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:H | 2:B:655:GLY:O | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:C | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:CA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:CB | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:CD1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:CD2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:CE1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:CE2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:CG | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:CZ | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:H | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:HA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:HB2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:HB3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:HD1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:HD2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:HE1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:HE2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:HZ | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:N | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:O | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:C | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:CA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:CB | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:H | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:HA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:HB3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:N | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:O | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:O1P | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:O2P | 5 | 1.16 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:O3P | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:OG | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:P | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:C | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:CA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:CB | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:CD1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:CD2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:CE1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:CE2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:CG | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:CZ | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:H | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:HA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:HB2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:HB3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:HD1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:HD2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:HE1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:HE2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:HH | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:N | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:O | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:OH | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:H | 2:B:659:NH2:HN1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:H | 2:B:659:NH2:HN2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:H | 2:B:659:NH2:N | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HA | 2:B:648:ACE:C | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HA | 2:B:648:ACE:CH3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HA | 2:B:648:ACE:H1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HA | 2:B:648:ACE:H2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HA | 2:B:648:ACE:H3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HA | 2:B:648:ACE:O | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:C | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:CA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:CB | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:CG | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:H | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:HA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:HB2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:HB3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:N | 5 | 1.16 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:O | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:OD1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:OD2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:C | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:CA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:CB | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:CD | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:CG | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:H | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:HA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:HB2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:HB3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:HE21 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:HE22 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:HG2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:HG3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:N | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:NE2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:O | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:OE1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:C | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:CA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:CB | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:H | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:HA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:HB2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:HB3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:HG | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:N | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:O | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:OG | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:C | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:CA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:CB | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:CG | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:H | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:HA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:HB2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:HB3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:N | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:O | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:OD1 | 5 | 1.16 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:OD2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:C | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:CA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:CB | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:CD1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:CD2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:CE1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:CE2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:CG | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:CZ | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:H | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:HA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:HB2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:HB3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:HD1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:HD2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:HE1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:HE2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:HZ | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:N | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:O | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:C | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:CA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:CB | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:CD | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:CG | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:H | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:HA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:HB2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:HB3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:HG2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:HG3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:N | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:O | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:OE1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:OE2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HA | 2:B:655:GLY:C | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HA | 2:B:655:GLY:CA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HA | 2:B:655:GLY:H | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HA | 2:B:655:GLY:HA2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HA | 2:B:655:GLY:HA3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HA | 2:B:655:GLY:N | 5 | 1.16 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HA | 2:B:655:GLY:O | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:C | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:CA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:CB | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:CD1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:CD2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:CE1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:CE2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:CG | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:CZ | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:H | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:HA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:HB2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:HB3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:HD1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:HD2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:HE1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:HE2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:HZ | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:N | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:O | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:C | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:CA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:CB | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:H | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:HA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:HB3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:N | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:O | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:O1P | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:O2P | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:O3P | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:OG | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:P | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:C | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:CA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:CB | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:CD1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:CD2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:CE1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:CE2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:CG | 5 | 1.16 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:CZ | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:H | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:HA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:HB2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:HB3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:HD1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:HD2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:HE1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:HE2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:HH | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:N | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:O | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:OH | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HA | 2:B:659:NH2:HN1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HA | 2:B:659:NH2:HN2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HA | 2:B:659:NH2:N | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:648:ACE:C | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:648:ACE:CH3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:648:ACE:H1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:648:ACE:H2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:648:ACE:H3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:648:ACE:O | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:C | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:CA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:CB | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:CG | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:H | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:HA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:HB2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:HB3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:N | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:O | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:OD1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:OD2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:C | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:CA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:CB | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:CD | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:CG | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:H | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:HA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:HB2 | 5 | 1.16 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:HB3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:HE21 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:HE22 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:HG2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:HG3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:N | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:NE2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:O | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:OE1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:C | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:CA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:CB | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:H | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:HA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:HB2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:HB3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:HG | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:N | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:O | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:OG | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:C | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:CA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:CB | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:CG | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:H | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:HA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:HB2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:HB3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:N | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:O | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:OD1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:OD2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:C | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:CA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:CB | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:CD1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:CD2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:CE1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:CE2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:CG | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:CZ | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:H | 5 | 1.16 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:HA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:HB2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:HB3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:HD1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:HD2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:HE1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:HE2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:HZ | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:N | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:O | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:C | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:CA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:CB | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:CD | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:CG | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:H | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:HA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:HB2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:HB3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:HG2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:HG3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:N | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:O | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:OE1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:OE2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:655:GLY:C | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:655:GLY:CA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:655:GLY:H | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:655:GLY:HA2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:655:GLY:HA3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:655:GLY:N | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:655:GLY:O | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:C | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:CA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:CB | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:CD1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:CD2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:CE1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:CE2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:CG | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:CZ | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:H | 5 | 1.16 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:HA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:HB2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:HB3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:HD1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:HD2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:HE1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:HE2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:HZ | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:N | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:O | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:C | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:CA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:CB | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:H | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:HA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:HB3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:N | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:O | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:O1P | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:O2P | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:O3P | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:OG | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:P | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:C | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:CA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:CB | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:CD1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:CD2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:CE1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:CE2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:CG | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:CZ | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:H | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:HA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:HB2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:HB3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:HD1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:HD2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:HE1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:HE2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:HH | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:N | 5 | 1.16 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:O | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:OH | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:659:NH2:HN1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:659:NH2:HN2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:659:NH2:N | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:648:ACE:C | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:648:ACE:CH3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:648:ACE:H1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:648:ACE:H2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:648:ACE:H3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:648:ACE:O | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:C | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:CA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:CB | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:CG | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:H | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:HA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:HB2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:HB3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:N | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:O | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:OD1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:OD2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:C | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:CA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:CB | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:CD | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:CG | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:H | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:HA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:HB2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:HB3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:HE21 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:HE22 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:HG2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:HG3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:N | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:NE2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:O | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:OE1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:C | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:CA | 5 | 1.16 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:CB | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:H | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:HA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:HB2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:HB3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:HG | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:N | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:O | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:OG | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:C | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:CA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:CB | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:CG | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:H | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:HA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:HB2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:HB3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:N | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:O | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:OD1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:OD2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:C | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:CA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:CB | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:CD1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:CD2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:CE1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:CE2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:CG | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:CZ | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:H | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:HA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:HB2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:HB3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:HD1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:HD2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:HE1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:HE2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:HZ | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:N | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:O | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:C | 5 | 1.16 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:CA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:CB | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:CD | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:CG | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:H | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:HA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:HB2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:HB3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:HG2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:HG3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:N | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:O | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:OE1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:OE2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:655:GLY:C | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:655:GLY:CA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:655:GLY:H | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:655:GLY:HA2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:655:GLY:HA3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:655:GLY:N | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:655:GLY:O | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:C | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:CA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:CB | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:CD1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:CD2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:CE1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:CE2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:CG | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:CZ | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:H | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:HA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:HB2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:HB3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:HD1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:HD2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:HE1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:HE2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:HZ | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:N | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:O | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:C | 5 | 1.16 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:CA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:CB | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:H | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:HA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:HB3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:N | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:O | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:O1P | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:O2P | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:O3P | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:OG | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:P | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:C | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:CA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:CB | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:CD1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:CD2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:CE1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:CE2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:CG | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:CZ | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:H | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:HA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:HB2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:HB3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:HD1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:HD2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:HE1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:HE2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:HH | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:N | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:O | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:OH | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:659:NH2:HN1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:659:NH2:HN2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:659:NH2:N | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:648:ACE:C | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:648:ACE:CH3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:648:ACE:H1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:648:ACE:H2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:648:ACE:H3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:648:ACE:O | 5 | 1.16 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:C | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:CA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:CB | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:CG | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:H | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:HA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:HB2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:HB3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:N | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:O | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:OD1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:OD2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:C | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:CA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:CB | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:CD | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:CG | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:H | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:HA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:HB2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:HB3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:HE21 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:HE22 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:HG2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:HG3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:N | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:NE2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:O | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:OE1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:C | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:CA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:CB | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:H | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:HA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:HB2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:HB3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:HG | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:N | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:O | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:OG | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:C | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:CA | 5 | 1.16 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:CB | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:CG | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:H | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:HA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:HB2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:HB3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:N | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:O | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:OD1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:OD2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:C | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:CA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:CB | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:CD1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:CD2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:CE1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:CE2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:CG | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:CZ | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:H | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:HA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:HB2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:HB3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:HD1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:HD2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:HE1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:HE2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:HZ | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:N | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:O | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:C | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:CA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:CB | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:CD | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:CG | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:H | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:HA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:HB2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:HB3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:HG2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:HG3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:N | 5 | 1.16 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:O | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:OE1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:OE2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:655:GLY:C | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:655:GLY:CA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:655:GLY:H | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:655:GLY:HA2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:655:GLY:HA3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:655:GLY:N | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:655:GLY:O | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:C | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:CA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:CB | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:CD1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:CD2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:CE1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:CE2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:CG | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:CZ | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:H | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:HA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:HB2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:HB3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:HD1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:HD2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:HE1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:HE2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:HZ | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:N | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:O | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:C | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:CA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:CB | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:H | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:HA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:HB3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:N | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:O | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:O1P | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:O2P | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:O3P | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:OG | 5 | 1.16 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:P | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:C | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:CA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:CB | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:CD1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:CD2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:CE1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:CE2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:CG | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:CZ | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:H | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:HA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:HB2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:HB3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:HD1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:HD2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:HE1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:HE2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:HH | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:N | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:O | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:OH | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:659:NH2:HN1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:659:NH2:HN2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:659:NH2:N | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:648:ACE:C | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:648:ACE:CH3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:648:ACE:H1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:648:ACE:H2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:648:ACE:H3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:648:ACE:O | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:C | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:CA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:CB | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:CG | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:H | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:HA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:HB2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:HB3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:N | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:O | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:OD1 | 5 | 1.16 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:OD2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:C | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:CA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:CB | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:CD | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:CG | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:H | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:HA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:HB2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:HB3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:HE21 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:HE22 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:HG2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:HG3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:N | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:NE2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:O | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:OE1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:C | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:CA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:CB | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:H | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:HA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:HB2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:HB3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:HG | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:N | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:O | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:OG | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:C | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:CA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:CB | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:CG | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:H | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:HA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:HB2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:HB3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:N | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:O | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:OD1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:OD2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:C | 5 | 1.16 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:CA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:CB | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:CD1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:CD2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:CE1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:CE2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:CG | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:CZ | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:H | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:HA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:HB2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:HB3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:HD1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:HD2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:HE1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:HE2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:HZ | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:N | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:O | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:C | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:CA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:CB | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:CD | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:CG | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:H | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:HA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:HB2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:HB3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:HG2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:HG3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:N | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:O | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:OE1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:OE2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:655:GLY:C | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:655:GLY:CA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:655:GLY:H | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:655:GLY:HA2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:655:GLY:HA3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:655:GLY:N | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:655:GLY:O | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:C | 5 | 1.16 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:CA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:CB | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:CD1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:CD2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:CE1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:CE2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:CG | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:CZ | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:H | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:HA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:HB2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:HB3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:HD1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:HD2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:HE1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:HE2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:HZ | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:N | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:O | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:C | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:CA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:CB | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:H | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:HA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:HB3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:N | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:O | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:O1P | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:O2P | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:O3P | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:OG | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:P | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:C | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:CA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:CB | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:CD1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:CD2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:CE1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:CE2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:CG | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:CZ | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:H | 5 | 1.16 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:HA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:HB2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:HB3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:HD1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:HD2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:HE1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:HE2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:HH | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:N | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:O | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:OH | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:659:NH2:HN1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:659:NH2:HN2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:659:NH2:N | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:N | 2:B:648:ACE:C | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:N | 2:B:648:ACE:CH3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:N | 2:B:648:ACE:H1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:N | 2:B:648:ACE:H2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:N | 2:B:648:ACE:H3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:N | 2:B:648:ACE:O | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:C | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:CA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:CB | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:CG | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:H | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:HA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:HB2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:HB3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:N | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:O | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:OD1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:OD2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:C | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:CA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:CB | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:CD | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:CG | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:H | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:HA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:HB2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:HB3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:HE21 | 5 | 1.16 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:HE22 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:HG2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:HG3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:N | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:NE2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:O | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:OE1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:C | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:CA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:CB | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:H | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:HA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:HB2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:HB3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:HG | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:N | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:O | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:OG | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:C | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:CA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:CB | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:CG | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:H | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:HA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:HB2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:HB3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:N | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:O | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:OD1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:OD2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:C | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:CA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:CB | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:CD1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:CD2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:CE1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:CE2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:CG | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:CZ | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:H | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:HA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:HB2 | 5 | 1.16 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:HB3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:HD1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:HD2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:HE1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:HE2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:HZ | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:N | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:O | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:C | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:CA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:CB | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:CD | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:CG | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:H | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:HA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:HB2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:HB3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:HG2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:HG3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:N | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:O | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:OE1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:OE2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:N | 2:B:655:GLY:C | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:N | 2:B:655:GLY:CA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:N | 2:B:655:GLY:H | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:N | 2:B:655:GLY:HA2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:N | 2:B:655:GLY:HA3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:N | 2:B:655:GLY:N | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:N | 2:B:655:GLY:O | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:C | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:CA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:CB | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:CD1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:CD2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:CE1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:CE2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:CG | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:CZ | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:H | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:HA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:HB2 | 5 | 1.16 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:HB3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:HD1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:HD2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:HE1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:HE2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:HZ | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:N | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:O | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:C | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:CA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:CB | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:H | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:HA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:HB3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:N | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:O | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:O1P | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:O2P | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:O3P | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:OG | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:P | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:C | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:CA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:CB | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:CD1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:CD2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:CE1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:CE2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:CG | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:CZ | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:H | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:HA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:HB2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:HB3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:HD1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:HD2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:HE1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:HE2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:HH | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:N | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:O | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:OH | 5 | 1.16 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:N | 2:B:659:NH2:HN1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:N | 2:B:659:NH2:HN2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:N | 2:B:659:NH2:N | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:648:ACE:C | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:648:ACE:CH3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:648:ACE:H1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:648:ACE:H2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:648:ACE:H3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:648:ACE:O | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:C | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:CA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:CB | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:CG | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:H | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:HA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:HB2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:HB3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:N | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:O | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:OD1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:OD2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:C | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:CA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:CB | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:CD | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:CG | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:H | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:HA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:HB2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:HB3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:HE21 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:HE22 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:HG2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:HG3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:N | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:NE2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:O | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:OE1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:C | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:CA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:CB | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:H | 5 | 1.16 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:HA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:HB2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:HB3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:HG | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:N | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:O | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:OG | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:C | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:CA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:CB | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:CG | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:H | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:HA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:HB2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:HB3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:N | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:O | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:OD1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:OD2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:C | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:CA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:CB | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:CD1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:CD2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:CE1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:CE2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:CG | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:CZ | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:H | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:HA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:HB2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:HB3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:HD1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:HD2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:HE1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:HE2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:HZ | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:N | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:O | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:C | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:CA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:CB | 5 | 1.16 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:CD | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:CG | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:H | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:HA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:HB2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:HB3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:HG2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:HG3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:N | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:O | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:OE1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:OE2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:655:GLY:C | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:655:GLY:CA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:655:GLY:H | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:655:GLY:HA2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:655:GLY:HA3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:655:GLY:N | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:655:GLY:O | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:C | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:CA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:CB | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:CD1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:CD2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:CE1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:CE2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:CG | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:CZ | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:H | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:HA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:HB2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:HB3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:HD1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:HD2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:HE1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:HE2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:HZ | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:N | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:O | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:C | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:CA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:CB | 5 | 1.16 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:H | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:HA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:HB3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:N | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:O | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:O1P | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:O2P | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:O3P | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:OG | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:P | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:C | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:CA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:CB | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:CD1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:CD2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:CE1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:CE2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:CG | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:CZ | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:H | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:HA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:HB2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:HB3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:HD1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:HD2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:HE1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:HE2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:HH | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:N | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:O | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:OH | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:659:NH2:HN1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:659:NH2:HN2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:659:NH2:N | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:O | 2:B:648:ACE:C | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:O | 2:B:648:ACE:CH3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:O | 2:B:648:ACE:H1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:O | 2:B:648:ACE:H2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:O | 2:B:648:ACE:H3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:O | 2:B:648:ACE:O | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:C | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:CA | 5 | 1.16 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:CB | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:CG | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:H | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:HA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:HB2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:HB3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:N | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:O | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:OD1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:OD2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:C | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:CA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:CB | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:CD | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:CG | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:H | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:HA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:HB2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:HB3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:HE21 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:HE22 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:HG2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:HG3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:N | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:NE2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:O | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:OE1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:C | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:CA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:CB | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:H | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:HA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:HB2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:HB3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:HG | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:N | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:O | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:OG | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:C | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:CA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:CB | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:CG | 5 | 1.16 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:H | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:HA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:HB2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:HB3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:N | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:O | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:OD1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:OD2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:C | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:CA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:CB | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:CD1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:CD2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:CE1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:CE2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:CG | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:CZ | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:H | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:HA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:HB2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:HB3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:HD1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:HD2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:HE1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:HE2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:HZ | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:N | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:O | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:C | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:CA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:CB | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:CD | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:CG | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:H | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:HA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:HB2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:HB3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:HG2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:HG3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:N | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:O | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:OE1 | 5 | 1.16 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:OE2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:O | 2:B:655:GLY:C | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:O | 2:B:655:GLY:CA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:O | 2:B:655:GLY:H | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:O | 2:B:655:GLY:HA2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:O | 2:B:655:GLY:HA3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:O | 2:B:655:GLY:N | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:O | 2:B:655:GLY:O | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:C | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:CA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:CB | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:CD1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:CD2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:CE1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:CE2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:CG | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:CZ | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:H | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:HA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:HB2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:HB3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:HD1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:HD2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:HE1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:HE2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:HZ | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:N | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:O | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:C | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:CA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:CB | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:H | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:HA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:HB3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:N | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:O | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:O1P | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:O2P | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:O3P | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:OG | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:P | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:C | 5 | 1.16 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:CA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:CB | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:CD1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:CD2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:CE1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:CE2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:CG | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:CZ | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:H | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:HA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:HB2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:HB3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:HD1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:HD2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:HE1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:HE2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:HH | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:N | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:O | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:OH | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:O | 2:B:659:NH2:HN1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:O | 2:B:659:NH2:HN2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:O | 2:B:659:NH2:N | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:648:ACE:C | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:648:ACE:CH3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:648:ACE:H1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:648:ACE:H2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:648:ACE:H3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:648:ACE:O | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:C | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:CA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:CB | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:CG | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:H | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:HA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:HB2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:HB3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:N | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:O | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:OD1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:OD2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:C | 5 | 1.16 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:CA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:CB | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:CD | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:CG | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:H | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:HA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:HB2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:HB3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:HE21 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:HE22 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:HG2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:HG3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:N | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:NE2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:O | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:OE1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:C | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:CA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:CB | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:H | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:HA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:HB2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:HB3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:HG | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:N | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:O | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:OG | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:C | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:CA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:CB | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:CG | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:H | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:HA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:HB2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:HB3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:N | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:O | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:OD1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:OD2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:C | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:CA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:CB | 5 | 1.16 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:CD1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:CD2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:CE1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:CE2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:CG | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:CZ | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:H | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:HA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:HB2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:HB3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:HD1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:HD2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:HE1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:HE2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:HZ | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:N | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:O | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:C | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:CA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:CB | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:CD | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:CG | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:H | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:HA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:HB2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:HB3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:HG2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:HG3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:N | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:O | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:OE1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:OE2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:655:GLY:C | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:655:GLY:CA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:655:GLY:H | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:655:GLY:HA2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:655:GLY:HA3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:655:GLY:N | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:655:GLY:O | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:C | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:CA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:CB | 5 | 1.16 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:CD1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:CD2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:CE1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:CE2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:CG | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:CZ | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:H | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:HA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:HB2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:HB3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:HD1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:HD2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:HE1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:HE2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:HZ | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:N | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:O | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:C | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:CA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:CB | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:H | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:HA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:HB3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:N | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:O | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:O1P | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:O2P | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:O3P | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:OG | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:P | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:C | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:CA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:CB | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:CD1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:CD2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:CE1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:CE2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:CG | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:CZ | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:H | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:HA | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:HB2 | 5 | 1.16 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:HB3 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:HD1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:HD2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:HE1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:HE2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:HH | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:N | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:O | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:OH | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:659:NH2:HN1 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:659:NH2:HN2 | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:659:NH2:N | 5 | 1.16 |
| (1,34) | 1:A:253:ASN:C | 2:B:648:ACE:C | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:648:ACE:CH3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:648:ACE:H1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:648:ACE:H2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:648:ACE:H3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:648:ACE:O | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:C | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:CA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:CB | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:CG | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:H | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:HA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:HB2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:HB3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:N | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:O | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:OD1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:OD2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:C | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:CA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:CB | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:CD | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:CG | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:H | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:HA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:HB2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:HB3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:HE21 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:HE22 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:HG2 | 6 | 1.12 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:HG3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:N | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:NE2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:O | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:OE1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:C | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:CA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:CB | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:H | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:HA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:HB2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:HB3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:HG | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:N | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:O | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:OG | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:C | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:CA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:CB | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:CG | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:H | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:HA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:HB2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:HB3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:N | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:O | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:OD1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:OD2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:C | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:CA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:CB | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:CD1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:CD2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:CE1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:CE2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:CG | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:CZ | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:H | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:HA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:HB2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:HB3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:HD1 | 6 | 1.12 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:HD2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:HE1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:HE2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:HZ | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:N | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:O | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:C | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:CA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:CB | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:CD | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:CG | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:H | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:HA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:HB2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:HB3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:HG2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:HG3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:N | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:O | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:OE1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:OE2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:655:GLY:C | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:655:GLY:CA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:655:GLY:H | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:655:GLY:HA2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:655:GLY:HA3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:655:GLY:N | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:655:GLY:O | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:C | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:CA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:CB | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:CD1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:CD2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:CE1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:CE2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:CG | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:CZ | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:H | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:HA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:HB2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:HB3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:HD1 | 6 | 1.12 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:HD2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:HE1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:HE2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:HZ | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:N | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:O | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:C | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:CA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:CB | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:H | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:HA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:HB3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:N | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:O | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:O1P | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:O2P | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:O3P | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:OG | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:P | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:C | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:CA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:CB | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:CD1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:CD2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:CE1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:CE2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:CG | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:CZ | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:H | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:HA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:HB2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:HB3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:HD1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:HD2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:HE1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:HE2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:HH | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:N | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:O | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:OH | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:659:NH2:HN1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:659:NH2:HN2 | 6 | 1.12 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:C | 2:B:659:NH2:N | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:648:ACE:C | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:648:ACE:CH3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:648:ACE:H1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:648:ACE:H2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:648:ACE:H3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:648:ACE:O | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:C | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:CA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:CB | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:CG | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:H | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:HA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:HB2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:HB3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:N | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:O | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:OD1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:OD2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:C | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:CA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:CB | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:CD | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:CG | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:H | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:HA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:HB2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:HB3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:HE21 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:HE22 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:HG2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:HG3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:N | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:NE2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:O | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:OE1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:C | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:CA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:CB | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:H | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:HA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:HB2 | 6 | 1.12 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:HB3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:HG | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:N | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:O | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:OG | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:C | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:CA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:CB | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:CG | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:H | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:HA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:HB2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:HB3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:N | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:O | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:OD1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:OD2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:C | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:CA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:CB | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:CD1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:CD2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:CE1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:CE2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:CG | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:CZ | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:H | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:HA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:HB2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:HB3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:HD1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:HD2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:HE1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:HE2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:HZ | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:N | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:O | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:C | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:CA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:CB | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:CD | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:CG | 6 | 1.12 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:H | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:HA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:HB2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:HB3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:HG2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:HG3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:N | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:O | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:OE1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:OE2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:655:GLY:C | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:655:GLY:CA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:655:GLY:H | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:655:GLY:HA2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:655:GLY:HA3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:655:GLY:N | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:655:GLY:O | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:C | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:CA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:CB | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:CD1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:CD2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:CE1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:CE2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:CG | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:CZ | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:H | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:HA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:HB2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:HB3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:HD1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:HD2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:HE1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:HE2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:HZ | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:N | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:O | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:C | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:CA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:CB | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:H | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:HA | 6 | 1.12 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:HB3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:N | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:O | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:O1P | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:O2P | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:O3P | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:OG | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:P | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:C | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:CA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:CB | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:CD1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:CD2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:CE1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:CE2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:CG | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:CZ | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:H | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:HA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:HB2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:HB3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:HD1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:HD2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:HE1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:HE2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:HH | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:N | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:O | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:OH | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:659:NH2:HN1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:659:NH2:HN2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:659:NH2:N | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:648:ACE:C | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:648:ACE:CH3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:648:ACE:H1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:648:ACE:H2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:648:ACE:H3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:648:ACE:O | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:C | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:CA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:CB | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:CG | 6 | 1.12 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:H | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:HA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:HB2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:HB3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:N | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:O | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:OD1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:OD2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:C | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:CA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:CB | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:CD | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:CG | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:H | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:HA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:HB2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:HB3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:HE21 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:HE22 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:HG2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:HG3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:N | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:NE2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:O | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:OE1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:C | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:CA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:CB | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:H | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:HA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:HB2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:HB3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:HG | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:N | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:O | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:OG | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:C | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:CA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:CB | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:CG | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:H | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:HA | 6 | 1.12 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:HB2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:HB3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:N | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:O | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:OD1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:OD2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:C | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:CA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:CB | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:CD1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:CD2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:CE1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:CE2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:CG | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:CZ | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:H | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:HA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:HB2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:HB3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:HD1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:HD2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:HE1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:HE2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:HZ | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:N | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:O | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:C | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:CA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:CB | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:CD | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:CG | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:H | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:HA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:HB2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:HB3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:HG2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:HG3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:N | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:O | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:OE1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:OE2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:655:GLY:C | 6 | 1.12 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CB | 2:B:655:GLY:CA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:655:GLY:H | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:655:GLY:HA2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:655:GLY:HA3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:655:GLY:N | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:655:GLY:O | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:C | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:CA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:CB | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:CD1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:CD2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:CE1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:CE2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:CG | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:CZ | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:H | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:HA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:HB2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:HB3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:HD1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:HD2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:HE1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:HE2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:HZ | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:N | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:O | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:C | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:CA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:CB | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:H | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:HA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:HB3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:N | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:O | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:O1P | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:O2P | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:O3P | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:OG | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:P | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:C | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:CA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:CB | 6 | 1.12 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:CD1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:CD2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:CE1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:CE2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:CG | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:CZ | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:H | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:HA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:HB2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:HB3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:HD1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:HD2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:HE1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:HE2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:HH | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:N | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:O | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:OH | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:659:NH2:HN1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:659:NH2:HN2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:659:NH2:N | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:648:ACE:C | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:648:ACE:CH3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:648:ACE:H1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:648:ACE:H2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:648:ACE:H3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:648:ACE:O | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:C | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:CA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:CB | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:CG | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:H | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:HA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:HB2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:HB3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:N | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:O | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:OD1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:OD2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:C | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:CA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:CB | 6 | 1.12 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:CD | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:CG | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:H | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:HA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:HB2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:HB3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:HE21 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:HE22 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:HG2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:HG3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:N | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:NE2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:O | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:OE1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:C | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:CA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:CB | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:H | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:HA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:HB2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:HB3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:HG | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:N | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:O | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:OG | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:C | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:CA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:CB | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:CG | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:H | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:HA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:HB2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:HB3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:N | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:O | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:OD1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:OD2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:C | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:CA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:CB | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:CD1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:CD2 | 6 | 1.12 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:CE1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:CE2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:CG | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:CZ | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:H | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:HA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:HB2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:HB3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:HD1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:HD2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:HE1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:HE2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:HZ | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:N | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:O | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:C | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:CA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:CB | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:CD | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:CG | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:H | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:HA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:HB2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:HB3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:HG2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:HG3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:N | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:O | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:OE1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:OE2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:655:GLY:C | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:655:GLY:CA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:655:GLY:H | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:655:GLY:HA2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:655:GLY:HA3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:655:GLY:N | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:655:GLY:O | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:C | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:CA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:CB | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:CD1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:CD2 | 6 | 1.12 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:CE1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:CE2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:CG | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:CZ | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:H | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:HA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:HB2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:HB3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:HD1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:HD2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:HE1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:HE2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:HZ | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:N | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:O | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:C | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:CA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:CB | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:H | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:HA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:HB3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:N | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:O | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:O1P | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:O2P | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:O3P | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:OG | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:P | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:C | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:CA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:CB | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:CD1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:CD2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:CE1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:CE2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:CG | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:CZ | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:H | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:HA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:HB2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:HB3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:HD1 | 6 | 1.12 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:HD2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:HE1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:HE2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:HH | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:N | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:O | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:OH | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:659:NH2:HN1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:659:NH2:HN2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:659:NH2:N | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:648:ACE:C | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:648:ACE:CH3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:648:ACE:H1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:648:ACE:H2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:648:ACE:H3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:648:ACE:O | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:C | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:CA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:CB | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:CG | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:H | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:HA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:HB2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:HB3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:N | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:O | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:OD1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:OD2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:C | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:CA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:CB | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:CD | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:CG | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:H | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:HA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:HB2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:HB3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:HE21 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:HE22 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:HG2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:HG3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:N | 6 | 1.12 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:NE2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:O | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:OE1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:C | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:CA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:CB | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:H | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:HA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:HB2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:HB3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:HG | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:N | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:O | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:OG | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:C | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:CA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:CB | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:CG | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:H | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:HA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:HB2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:HB3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:N | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:O | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:OD1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:OD2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:C | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:CA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:CB | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:CD1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:CD2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:CE1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:CE2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:CG | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:CZ | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:H | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:HA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:HB2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:HB3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:HD1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:HD2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:HE1 | 6 | 1.12 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:HE2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:HZ | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:N | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:O | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:C | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:CA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:CB | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:CD | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:CG | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:H | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:HA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:HB2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:HB3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:HG2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:HG3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:N | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:O | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:OE1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:OE2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:655:GLY:C | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:655:GLY:CA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:655:GLY:H | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:655:GLY:HA2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:655:GLY:HA3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:655:GLY:N | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:655:GLY:O | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:C | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:CA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:CB | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:CD1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:CD2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:CE1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:CE2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:CG | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:CZ | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:H | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:HA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:HB2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:HB3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:HD1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:HD2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:HE1 | 6 | 1.12 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:HE2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:HZ | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:N | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:O | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:C | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:CA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:CB | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:H | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:HA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:HB3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:N | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:O | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:O1P | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:O2P | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:O3P | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:OG | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:P | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:C | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:CA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:CB | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:CD1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:CD2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:CE1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:CE2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:CG | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:CZ | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:H | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:HA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:HB2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:HB3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:HD1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:HD2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:HE1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:HE2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:HH | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:N | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:O | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:OH | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:659:NH2:HN1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:659:NH2:HN2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:659:NH2:N | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:648:ACE:C | 6 | 1.12 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HA | 2:B:648:ACE:CH3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:648:ACE:H1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:648:ACE:H2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:648:ACE:H3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:648:ACE:O | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:C | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:CA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:CB | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:CG | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:H | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:HA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:HB2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:HB3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:N | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:O | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:OD1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:OD2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:C | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:CA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:CB | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:CD | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:CG | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:H | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:HA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:HB2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:HB3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:HE21 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:HE22 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:HG2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:HG3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:N | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:NE2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:O | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:OE1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:C | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:CA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:CB | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:H | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:HA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:HB2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:HB3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:HG | 6 | 1.12 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:N | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:O | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:OG | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:C | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:CA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:CB | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:CG | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:H | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:HA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:HB2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:HB3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:N | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:O | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:OD1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:OD2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:C | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:CA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:CB | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:CD1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:CD2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:CE1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:CE2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:CG | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:CZ | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:H | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:HA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:HB2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:HB3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:HD1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:HD2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:HE1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:HE2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:HZ | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:N | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:O | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:C | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:CA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:CB | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:CD | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:CG | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:H | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:HA | 6 | 1.12 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:HB2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:HB3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:HG2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:HG3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:N | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:O | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:OE1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:OE2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:655:GLY:C | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:655:GLY:CA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:655:GLY:H | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:655:GLY:HA2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:655:GLY:HA3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:655:GLY:N | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:655:GLY:O | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:C | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:CA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:CB | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:CD1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:CD2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:CE1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:CE2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:CG | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:CZ | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:H | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:HA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:HB2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:HB3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:HD1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:HD2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:HE1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:HE2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:HZ | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:N | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:O | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:C | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:CA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:CB | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:H | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:HA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:HB3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:N | 6 | 1.12 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:O | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:O1P | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:O2P | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:O3P | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:OG | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:P | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:C | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:CA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:CB | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:CD1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:CD2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:CE1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:CE2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:CG | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:CZ | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:H | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:HA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:HB2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:HB3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:HD1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:HD2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:HE1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:HE2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:HH | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:N | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:O | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:OH | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:659:NH2:HN1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:659:NH2:HN2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:659:NH2:N | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:648:ACE:C | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:648:ACE:CH3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:648:ACE:H1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:648:ACE:H2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:648:ACE:H3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:648:ACE:O | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:C | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:CA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:CB | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:CG | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:H | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:HA | 6 | 1.12 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:HB2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:HB3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:N | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:O | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:OD1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:OD2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:C | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:CA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:CB | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:CD | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:CG | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:H | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:HA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:HB2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:HB3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:HE21 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:HE22 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:HG2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:HG3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:N | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:NE2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:O | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:OE1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:C | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:CA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:CB | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:H | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:HA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:HB2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:HB3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:HG | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:N | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:O | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:OG | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:C | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:CA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:CB | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:CG | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:H | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:HA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:HB2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:HB3 | 6 | 1.12 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:N | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:O | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:OD1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:OD2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:C | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:CA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:CB | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:CD1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:CD2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:CE1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:CE2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:CG | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:CZ | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:H | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:HA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:HB2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:HB3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:HD1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:HD2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:HE1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:HE2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:HZ | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:N | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:O | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:C | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:CA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:CB | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:CD | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:CG | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:H | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:HA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:HB2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:HB3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:HG2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:HG3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:N | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:O | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:OE1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:OE2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:655:GLY:C | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:655:GLY:CA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:655:GLY:H | 6 | 1.12 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HB2 | 2:B:655:GLY:HA2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:655:GLY:HA3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:655:GLY:N | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:655:GLY:O | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:C | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:CA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:CB | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:CD1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:CD2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:CE1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:CE2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:CG | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:CZ | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:H | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:HA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:HB2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:HB3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:HD1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:HD2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:HE1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:HE2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:HZ | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:N | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:O | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:C | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:CA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:CB | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:H | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:HA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:HB3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:N | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:O | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:O1P | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:O2P | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:O3P | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:OG | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:P | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:C | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:CA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:CB | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:CD1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:CD2 | 6 | 1.12 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:CE1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:CE2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:CG | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:CZ | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:H | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:HA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:HB2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:HB3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:HD1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:HD2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:HE1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:HE2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:HH | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:N | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:O | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:OH | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:659:NH2:HN1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:659:NH2:HN2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:659:NH2:N | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:648:ACE:C | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:648:ACE:CH3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:648:ACE:H1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:648:ACE:H2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:648:ACE:H3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:648:ACE:O | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:C | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:CA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:CB | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:CG | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:H | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:HA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:HB2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:HB3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:N | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:O | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:OD1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:OD2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:C | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:CA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:CB | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:CD | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:CG | 6 | 1.12 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:H | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:HA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:HB2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:HB3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:HE21 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:HE22 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:HG2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:HG3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:N | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:NE2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:O | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:OE1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:C | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:CA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:CB | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:H | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:HA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:HB2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:HB3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:HG | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:N | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:O | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:OG | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:C | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:CA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:CB | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:CG | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:H | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:HA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:HB2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:HB3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:N | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:O | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:OD1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:OD2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:C | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:CA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:CB | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:CD1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:CD2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:CE1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:CE2 | 6 | 1.12 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:CG | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:CZ | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:H | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:HA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:HB2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:HB3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:HD1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:HD2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:HE1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:HE2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:HZ | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:N | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:O | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:C | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:CA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:CB | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:CD | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:CG | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:H | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:HA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:HB2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:HB3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:HG2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:HG3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:N | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:O | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:OE1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:OE2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:655:GLY:C | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:655:GLY:CA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:655:GLY:H | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:655:GLY:HA2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:655:GLY:HA3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:655:GLY:N | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:655:GLY:O | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:C | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:CA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:CB | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:CD1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:CD2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:CE1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:CE2 | 6 | 1.12 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:CG | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:CZ | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:H | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:HA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:HB2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:HB3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:HD1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:HD2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:HE1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:HE2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:HZ | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:N | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:O | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:C | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:CA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:CB | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:H | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:HA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:HB3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:N | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:O | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:O1P | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:O2P | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:O3P | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:OG | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:P | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:C | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:CA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:CB | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:CD1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:CD2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:CE1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:CE2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:CG | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:CZ | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:H | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:HA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:HB2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:HB3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:HD1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:HD2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:HE1 | 6 | 1.12 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:HE2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:HH | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:N | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:O | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:OH | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:659:NH2:HN1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:659:NH2:HN2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:659:NH2:N | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:648:ACE:C | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:648:ACE:CH3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:648:ACE:H1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:648:ACE:H2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:648:ACE:H3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:648:ACE:O | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:C | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:CA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:CB | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:CG | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:H | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:HA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:HB2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:HB3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:N | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:O | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:OD1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:OD2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:C | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:CA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:CB | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:CD | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:CG | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:H | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:HA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:HB2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:HB3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:HE21 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:HE22 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:HG2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:HG3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:N | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:NE2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:O | 6 | 1.12 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:OE1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:C | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:CA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:CB | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:H | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:HA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:HB2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:HB3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:HG | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:N | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:O | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:OG | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:C | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:CA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:CB | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:CG | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:H | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:HA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:HB2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:HB3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:N | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:O | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:OD1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:OD2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:C | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:CA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:CB | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:CD1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:CD2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:CE1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:CE2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:CG | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:CZ | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:H | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:HA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:HB2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:HB3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:HD1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:HD2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:HE1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:HE2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:HZ | 6 | 1.12 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:N | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:O | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:C | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:CA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:CB | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:CD | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:CG | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:H | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:HA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:HB2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:HB3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:HG2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:HG3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:N | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:O | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:OE1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:OE2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:655:GLY:C | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:655:GLY:CA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:655:GLY:H | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:655:GLY:HA2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:655:GLY:HA3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:655:GLY:N | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:655:GLY:O | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:C | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:CA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:CB | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:CD1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:CD2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:CE1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:CE2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:CG | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:CZ | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:H | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:HA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:HB2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:HB3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:HD1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:HD2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:HE1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:HE2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:HZ | 6 | 1.12 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:N | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:O | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:C | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:CA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:CB | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:H | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:HA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:HB3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:N | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:O | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:O1P | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:O2P | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:O3P | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:OG | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:P | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:C | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:CA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:CB | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:CD1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:CD2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:CE1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:CE2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:CG | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:CZ | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:H | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:HA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:HB2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:HB3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:HD1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:HD2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:HE1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:HE2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:HH | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:N | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:O | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:OH | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:659:NH2:HN1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:659:NH2:HN2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:659:NH2:N | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:648:ACE:C | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:648:ACE:CH3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:648:ACE:H1 | 6 | 1.12 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HD22 | 2:B:648:ACE:H2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:648:ACE:H3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:648:ACE:O | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:C | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:CA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:CB | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:CG | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:H | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:HA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:HB2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:HB3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:N | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:O | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:OD1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:OD2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:C | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:CA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:CB | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:CD | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:CG | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:H | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:HA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:HB2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:HB3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:HE21 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:HE22 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:HG2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:HG3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:N | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:NE2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:O | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:OE1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:C | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:CA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:CB | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:H | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:HA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:HB2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:HB3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:HG | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:N | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:O | 6 | 1.12 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:OG | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:C | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:CA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:CB | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:CG | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:H | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:HA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:HB2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:HB3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:N | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:O | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:OD1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:OD2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:C | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:CA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:CB | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:CD1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:CD2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:CE1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:CE2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:CG | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:CZ | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:H | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:HA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:HB2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:HB3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:HD1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:HD2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:HE1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:HE2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:HZ | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:N | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:O | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:C | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:CA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:CB | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:CD | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:CG | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:H | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:HA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:HB2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:HB3 | 6 | 1.12 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:HG2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:HG3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:N | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:O | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:OE1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:OE2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:655:GLY:C | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:655:GLY:CA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:655:GLY:H | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:655:GLY:HA2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:655:GLY:HA3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:655:GLY:N | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:655:GLY:O | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:C | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:CA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:CB | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:CD1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:CD2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:CE1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:CE2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:CG | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:CZ | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:H | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:HA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:HB2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:HB3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:HD1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:HD2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:HE1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:HE2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:HZ | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:N | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:O | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:C | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:CA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:CB | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:H | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:HA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:HB3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:N | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:O | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:O1P | 6 | 1.12 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:O2P | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:O3P | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:OG | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:P | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:C | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:CA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:CB | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:CD1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:CD2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:CE1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:CE2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:CG | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:CZ | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:H | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:HA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:HB2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:HB3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:HD1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:HD2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:HE1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:HE2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:HH | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:N | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:O | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:OH | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:659:NH2:HN1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:659:NH2:HN2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:659:NH2:N | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:648:ACE:C | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:648:ACE:CH3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:648:ACE:H1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:648:ACE:H2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:648:ACE:H3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:648:ACE:O | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:C | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:CA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:CB | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:CG | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:H | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:HA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:HB2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:HB3 | 6 | 1.12 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:N | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:O | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:OD1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:OD2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:C | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:CA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:CB | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:CD | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:CG | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:H | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:HA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:HB2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:HB3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:HE21 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:HE22 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:HG2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:HG3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:N | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:NE2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:O | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:OE1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:C | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:CA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:CB | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:H | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:HA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:HB2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:HB3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:HG | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:N | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:O | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:OG | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:C | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:CA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:CB | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:CG | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:H | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:HA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:HB2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:HB3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:N | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:O | 6 | 1.12 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:OD1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:OD2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:C | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:CA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:CB | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:CD1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:CD2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:CE1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:CE2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:CG | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:CZ | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:H | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:HA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:HB2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:HB3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:HD1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:HD2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:HE1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:HE2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:HZ | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:N | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:O | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:C | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:CA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:CB | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:CD | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:CG | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:H | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:HA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:HB2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:HB3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:HG2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:HG3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:N | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:O | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:OE1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:OE2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:655:GLY:C | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:655:GLY:CA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:655:GLY:H | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:655:GLY:HA2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:655:GLY:HA3 | 6 | 1.12 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:N | 2:B:655:GLY:N | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:655:GLY:O | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:C | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:CA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:CB | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:CD1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:CD2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:CE1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:CE2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:CG | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:CZ | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:H | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:HA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:HB2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:HB3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:HD1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:HD2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:HE1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:HE2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:HZ | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:N | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:O | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:C | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:CA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:CB | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:H | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:HA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:HB3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:N | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:O | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:O1P | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:O2P | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:O3P | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:OG | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:P | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:C | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:CA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:CB | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:CD1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:CD2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:CE1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:CE2 | 6 | 1.12 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:CG | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:CZ | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:H | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:HA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:HB2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:HB3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:HD1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:HD2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:HE1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:HE2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:HH | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:N | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:O | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:OH | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:659:NH2:HN1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:659:NH2:HN2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:659:NH2:N | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:648:ACE:C | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:648:ACE:CH3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:648:ACE:H1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:648:ACE:H2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:648:ACE:H3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:648:ACE:O | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:C | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:CA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:CB | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:CG | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:H | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:HA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:HB2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:HB3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:N | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:O | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:OD1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:OD2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:C | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:CA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:CB | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:CD | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:CG | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:H | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:HA | 6 | 1.12 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:HB2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:HB3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:HE21 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:HE22 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:HG2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:HG3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:N | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:NE2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:O | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:OE1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:C | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:CA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:CB | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:H | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:HA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:HB2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:HB3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:HG | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:N | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:O | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:OG | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:C | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:CA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:CB | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:CG | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:H | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:HA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:HB2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:HB3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:N | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:O | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:OD1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:OD2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:C | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:CA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:CB | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:CD1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:CD2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:CE1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:CE2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:CG | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:CZ | 6 | 1.12 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:H | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:HA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:HB2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:HB3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:HD1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:HD2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:HE1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:HE2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:HZ | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:N | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:O | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:C | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:CA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:CB | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:CD | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:CG | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:H | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:HA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:HB2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:HB3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:HG2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:HG3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:N | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:O | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:OE1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:OE2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:655:GLY:C | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:655:GLY:CA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:655:GLY:H | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:655:GLY:HA2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:655:GLY:HA3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:655:GLY:N | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:655:GLY:O | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:C | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:CA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:CB | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:CD1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:CD2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:CE1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:CE2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:CG | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:CZ | 6 | 1.12 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:H | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:HA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:HB2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:HB3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:HD1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:HD2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:HE1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:HE2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:HZ | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:N | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:O | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:C | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:CA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:CB | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:H | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:HA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:HB3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:N | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:O | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:O1P | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:O2P | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:O3P | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:OG | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:P | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:C | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:CA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:CB | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:CD1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:CD2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:CE1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:CE2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:CG | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:CZ | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:H | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:HA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:HB2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:HB3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:HD1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:HD2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:HE1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:HE2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:HH | 6 | 1.12 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:N | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:O | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:OH | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:659:NH2:HN1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:659:NH2:HN2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:659:NH2:N | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:648:ACE:C | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:648:ACE:CH3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:648:ACE:H1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:648:ACE:H2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:648:ACE:H3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:648:ACE:O | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:C | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:CA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:CB | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:CG | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:H | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:HA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:HB2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:HB3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:N | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:O | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:OD1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:OD2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:C | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:CA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:CB | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:CD | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:CG | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:H | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:HA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:HB2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:HB3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:HE21 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:HE22 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:HG2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:HG3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:N | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:NE2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:O | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:OE1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:C | 6 | 1.12 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:CA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:CB | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:H | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:HA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:HB2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:HB3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:HG | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:N | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:O | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:OG | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:C | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:CA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:CB | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:CG | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:H | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:HA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:HB2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:HB3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:N | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:O | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:OD1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:OD2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:C | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:CA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:CB | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:CD1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:CD2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:CE1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:CE2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:CG | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:CZ | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:H | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:HA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:HB2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:HB3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:HD1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:HD2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:HE1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:HE2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:HZ | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:N | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:O | 6 | 1.12 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:C | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:CA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:CB | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:CD | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:CG | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:H | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:HA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:HB2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:HB3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:HG2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:HG3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:N | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:O | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:OE1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:OE2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:655:GLY:C | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:655:GLY:CA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:655:GLY:H | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:655:GLY:HA2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:655:GLY:HA3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:655:GLY:N | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:655:GLY:O | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:C | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:CA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:CB | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:CD1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:CD2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:CE1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:CE2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:CG | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:CZ | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:H | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:HA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:HB2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:HB3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:HD1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:HD2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:HE1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:HE2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:HZ | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:N | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:O | 6 | 1.12 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:C | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:CA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:CB | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:H | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:HA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:HB3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:N | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:O | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:O1P | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:O2P | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:O3P | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:OG | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:P | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:C | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:CA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:CB | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:CD1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:CD2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:CE1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:CE2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:CG | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:CZ | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:H | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:HA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:HB2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:HB3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:HD1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:HD2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:HE1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:HE2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:HH | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:N | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:O | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:OH | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:659:NH2:HN1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:659:NH2:HN2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:659:NH2:N | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:648:ACE:C | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:648:ACE:CH3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:648:ACE:H1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:648:ACE:H2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:648:ACE:H3 | 6 | 1.12 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:OD1 | 2:B:648:ACE:O | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:C | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:CA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:CB | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:CG | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:H | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:HA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:HB2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:HB3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:N | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:O | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:OD1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:OD2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:C | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:CA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:CB | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:CD | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:CG | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:H | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:HA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:HB2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:HB3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:HE21 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:HE22 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:HG2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:HG3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:N | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:NE2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:O | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:OE1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:C | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:CA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:CB | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:H | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:HA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:HB2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:HB3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:HG | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:N | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:O | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:OG | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:C | 6 | 1.12 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:CA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:CB | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:CG | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:H | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:HA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:HB2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:HB3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:N | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:O | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:OD1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:OD2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:C | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:CA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:CB | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:CD1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:CD2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:CE1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:CE2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:CG | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:CZ | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:H | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:HA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:HB2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:HB3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:HD1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:HD2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:HE1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:HE2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:HZ | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:N | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:O | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:C | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:CA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:CB | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:CD | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:CG | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:H | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:HA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:HB2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:HB3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:HG2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:HG3 | 6 | 1.12 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:N | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:O | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:OE1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:OE2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:655:GLY:C | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:655:GLY:CA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:655:GLY:H | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:655:GLY:HA2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:655:GLY:HA3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:655:GLY:N | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:655:GLY:O | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:C | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:CA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:CB | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:CD1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:CD2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:CE1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:CE2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:CG | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:CZ | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:H | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:HA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:HB2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:HB3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:HD1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:HD2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:HE1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:HE2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:HZ | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:N | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:O | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:C | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:CA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:CB | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:H | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:HA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:HB3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:N | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:O | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:O1P | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:O2P | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:O3P | 6 | 1.12 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:OG | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:P | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:C | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:CA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:CB | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:CD1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:CD2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:CE1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:CE2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:CG | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:CZ | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:H | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:HA | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:HB2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:HB3 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:HD1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:HD2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:HE1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:HE2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:HH | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:N | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:O | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:OH | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:659:NH2:HN1 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:659:NH2:HN2 | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:659:NH2:N | 6 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:648:ACE:C | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:648:ACE:CH3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:648:ACE:H1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:648:ACE:H2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:648:ACE:H3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:648:ACE:O | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:C | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:CA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:CB | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:CG | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:H | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:HA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:HB2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:HB3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:N | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:O | 9 | 1.12 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:OD1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:OD2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:C | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:CA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:CB | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:CD | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:CG | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:H | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:HA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:HB2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:HB3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:HE21 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:HE22 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:HG2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:HG3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:N | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:NE2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:O | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:OE1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:C | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:CA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:CB | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:H | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:HA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:HB2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:HB3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:HG | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:N | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:O | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:OG | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:C | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:CA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:CB | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:CG | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:H | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:HA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:HB2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:HB3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:N | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:O | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:OD1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:OD2 | 9 | 1.12 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:C | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:CA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:CB | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:CD1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:CD2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:CE1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:CE2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:CG | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:CZ | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:H | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:HA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:HB2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:HB3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:HD1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:HD2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:HE1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:HE2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:HZ | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:N | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:O | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:C | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:CA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:CB | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:CD | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:CG | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:H | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:HA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:HB2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:HB3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:HG2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:HG3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:N | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:O | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:OE1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:OE2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:655:GLY:C | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:655:GLY:CA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:655:GLY:H | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:655:GLY:HA2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:655:GLY:HA3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:655:GLY:N | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:655:GLY:O | 9 | 1.12 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:C | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:CA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:CB | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:CD1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:CD2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:CE1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:CE2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:CG | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:CZ | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:H | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:HA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:HB2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:HB3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:HD1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:HD2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:HE1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:HE2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:HZ | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:N | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:O | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:C | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:CA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:CB | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:H | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:HA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:HB3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:N | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:O | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:O1P | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:O2P | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:O3P | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:OG | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:P | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:C | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:CA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:CB | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:CD1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:CD2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:CE1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:CE2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:CG | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:CZ | 9 | 1.12 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:H | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:HA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:HB2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:HB3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:HD1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:HD2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:HE1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:HE2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:HH | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:N | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:O | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:OH | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:659:NH2:HN1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:659:NH2:HN2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:659:NH2:N | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:648:ACE:C | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:648:ACE:CH3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:648:ACE:H1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:648:ACE:H2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:648:ACE:H3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:648:ACE:O | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:C | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:CA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:CB | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:CG | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:H | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:HA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:HB2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:HB3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:N | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:O | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:OD1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:OD2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:C | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:CA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:CB | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:CD | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:CG | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:H | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:HA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:HB2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:HB3 | 9 | 1.12 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:HE21 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:HE22 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:HG2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:HG3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:N | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:NE2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:O | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:OE1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:C | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:CA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:CB | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:H | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:HA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:HB2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:HB3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:HG | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:N | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:O | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:OG | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:C | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:CA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:CB | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:CG | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:H | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:HA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:HB2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:HB3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:N | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:O | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:OD1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:OD2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:C | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:CA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:CB | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:CD1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:CD2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:CE1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:CE2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:CG | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:CZ | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:H | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:HA | 9 | 1.12 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:HB2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:HB3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:HD1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:HD2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:HE1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:HE2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:HZ | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:N | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:O | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:C | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:CA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:CB | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:CD | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:CG | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:H | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:HA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:HB2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:HB3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:HG2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:HG3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:N | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:O | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:OE1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:OE2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:655:GLY:C | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:655:GLY:CA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:655:GLY:H | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:655:GLY:HA2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:655:GLY:HA3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:655:GLY:N | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:655:GLY:O | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:C | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:CA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:CB | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:CD1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:CD2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:CE1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:CE2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:CG | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:CZ | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:H | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:HA | 9 | 1.12 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:HB2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:HB3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:HD1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:HD2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:HE1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:HE2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:HZ | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:N | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:O | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:C | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:CA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:CB | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:H | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:HA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:HB3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:N | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:O | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:O1P | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:O2P | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:O3P | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:OG | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:P | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:C | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:CA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:CB | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:CD1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:CD2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:CE1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:CE2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:CG | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:CZ | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:H | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:HA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:HB2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:HB3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:HD1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:HD2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:HE1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:HE2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:HH | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:N | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:O | 9 | 1.12 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:OH | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:659:NH2:HN1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:659:NH2:HN2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:659:NH2:N | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:648:ACE:C | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:648:ACE:CH3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:648:ACE:H1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:648:ACE:H2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:648:ACE:H3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:648:ACE:O | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:C | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:CA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:CB | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:CG | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:H | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:HA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:HB2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:HB3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:N | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:O | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:OD1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:OD2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:C | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:CA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:CB | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:CD | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:CG | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:H | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:HA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:HB2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:HB3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:HE21 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:HE22 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:HG2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:HG3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:N | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:NE2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:O | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:OE1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:C | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:CA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:CB | 9 | 1.12 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:H | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:HA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:HB2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:HB3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:HG | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:N | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:O | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:OG | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:C | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:CA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:CB | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:CG | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:H | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:HA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:HB2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:HB3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:N | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:O | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:OD1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:OD2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:C | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:CA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:CB | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:CD1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:CD2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:CE1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:CE2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:CG | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:CZ | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:H | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:HA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:HB2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:HB3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:HD1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:HD2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:HE1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:HE2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:HZ | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:N | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:O | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:C | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:CA | 9 | 1.12 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:CB | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:CD | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:CG | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:H | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:HA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:HB2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:HB3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:HG2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:HG3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:N | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:O | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:OE1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:OE2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:655:GLY:C | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:655:GLY:CA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:655:GLY:H | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:655:GLY:HA2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:655:GLY:HA3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:655:GLY:N | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:655:GLY:O | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:C | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:CA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:CB | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:CD1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:CD2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:CE1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:CE2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:CG | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:CZ | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:H | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:HA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:HB2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:HB3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:HD1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:HD2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:HE1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:HE2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:HZ | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:N | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:O | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:C | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:CA | 9 | 1.12 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:CB | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:H | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:HA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:HB3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:N | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:O | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:O1P | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:O2P | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:O3P | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:OG | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:P | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:C | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:CA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:CB | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:CD1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:CD2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:CE1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:CE2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:CG | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:CZ | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:H | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:HA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:HB2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:HB3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:HD1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:HD2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:HE1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:HE2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:HH | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:N | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:O | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:OH | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:659:NH2:HN1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:659:NH2:HN2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:659:NH2:N | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:648:ACE:C | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:648:ACE:CH3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:648:ACE:H1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:648:ACE:H2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:648:ACE:H3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:648:ACE:O | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:C | 9 | 1.12 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:CA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:CB | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:CG | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:H | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:HA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:HB2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:HB3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:N | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:O | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:OD1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:OD2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:C | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:CA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:CB | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:CD | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:CG | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:H | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:HA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:HB2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:HB3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:HE21 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:HE22 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:HG2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:HG3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:N | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:NE2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:O | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:OE1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:C | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:CA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:CB | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:H | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:HA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:HB2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:HB3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:HG | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:N | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:O | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:OG | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:C | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:CA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:CB | 9 | 1.12 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:CG | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:H | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:HA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:HB2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:HB3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:N | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:O | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:OD1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:OD2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:C | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:CA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:CB | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:CD1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:CD2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:CE1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:CE2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:CG | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:CZ | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:H | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:HA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:HB2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:HB3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:HD1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:HD2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:HE1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:HE2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:HZ | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:N | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:O | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:C | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:CA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:CB | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:CD | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:CG | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:H | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:HA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:HB2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:HB3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:HG2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:HG3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:N | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:O | 9 | 1.12 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:OE1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:OE2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:655:GLY:C | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:655:GLY:CA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:655:GLY:H | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:655:GLY:HA2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:655:GLY:HA3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:655:GLY:N | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:655:GLY:O | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:C | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:CA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:CB | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:CD1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:CD2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:CE1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:CE2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:CG | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:CZ | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:H | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:HA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:HB2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:HB3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:HD1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:HD2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:HE1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:HE2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:HZ | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:N | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:O | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:C | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:CA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:CB | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:H | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:HA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:HB3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:N | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:O | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:O1P | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:O2P | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:O3P | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:OG | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:P | 9 | 1.12 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:C | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:CA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:CB | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:CD1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:CD2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:CE1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:CE2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:CG | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:CZ | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:H | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:HA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:HB2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:HB3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:HD1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:HD2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:HE1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:HE2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:HH | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:N | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:O | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:OH | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:659:NH2:HN1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:659:NH2:HN2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:659:NH2:N | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:648:ACE:C | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:648:ACE:CH3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:648:ACE:H1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:648:ACE:H2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:648:ACE:H3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:648:ACE:O | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:C | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:CA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:CB | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:CG | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:H | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:HA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:HB2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:HB3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:N | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:O | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:OD1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:OD2 | 9 | 1.12 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:C | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:CA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:CB | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:CD | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:CG | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:H | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:HA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:HB2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:HB3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:HE21 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:HE22 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:HG2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:HG3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:N | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:NE2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:O | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:OE1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:C | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:CA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:CB | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:H | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:HA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:HB2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:HB3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:HG | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:N | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:O | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:OG | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:C | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:CA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:CB | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:CG | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:H | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:HA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:HB2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:HB3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:N | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:O | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:OD1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:OD2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:C | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:CA | 9 | 1.12 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:CB | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:CD1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:CD2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:CE1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:CE2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:CG | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:CZ | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:H | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:HA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:HB2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:HB3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:HD1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:HD2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:HE1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:HE2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:HZ | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:N | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:O | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:C | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:CA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:CB | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:CD | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:CG | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:H | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:HA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:HB2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:HB3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:HG2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:HG3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:N | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:O | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:OE1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:OE2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:655:GLY:C | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:655:GLY:CA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:655:GLY:H | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:655:GLY:HA2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:655:GLY:HA3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:655:GLY:N | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:655:GLY:O | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:C | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:CA | 9 | 1.12 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:CB | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:CD1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:CD2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:CE1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:CE2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:CG | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:CZ | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:H | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:HA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:HB2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:HB3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:HD1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:HD2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:HE1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:HE2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:HZ | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:N | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:O | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:C | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:CA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:CB | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:H | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:HA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:HB3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:N | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:O | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:O1P | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:O2P | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:O3P | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:OG | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:P | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:C | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:CA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:CB | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:CD1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:CD2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:CE1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:CE2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:CG | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:CZ | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:H | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:HA | 9 | 1.12 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:HB2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:HB3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:HD1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:HD2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:HE1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:HE2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:HH | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:N | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:O | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:OH | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:659:NH2:HN1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:659:NH2:HN2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:659:NH2:N | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:648:ACE:C | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:648:ACE:CH3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:648:ACE:H1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:648:ACE:H2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:648:ACE:H3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:648:ACE:O | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:C | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:CA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:CB | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:CG | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:H | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:HA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:HB2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:HB3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:N | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:O | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:OD1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:OD2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:C | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:CA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:CB | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:CD | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:CG | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:H | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:HA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:HB2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:HB3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:HE21 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:HE22 | 9 | 1.12 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:HG2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:HG3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:N | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:NE2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:O | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:OE1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:C | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:CA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:CB | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:H | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:HA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:HB2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:HB3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:HG | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:N | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:O | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:OG | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:C | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:CA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:CB | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:CG | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:H | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:HA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:HB2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:HB3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:N | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:O | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:OD1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:OD2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:C | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:CA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:CB | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:CD1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:CD2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:CE1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:CE2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:CG | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:CZ | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:H | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:HA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:HB2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:HB3 | 9 | 1.12 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:HD1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:HD2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:HE1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:HE2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:HZ | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:N | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:O | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:C | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:CA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:CB | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:CD | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:CG | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:H | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:HA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:HB2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:HB3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:HG2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:HG3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:N | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:O | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:OE1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:OE2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:655:GLY:C | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:655:GLY:CA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:655:GLY:H | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:655:GLY:HA2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:655:GLY:HA3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:655:GLY:N | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:655:GLY:O | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:C | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:CA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:CB | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:CD1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:CD2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:CE1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:CE2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:CG | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:CZ | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:H | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:HA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:HB2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:HB3 | 9 | 1.12 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:HD1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:HD2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:HE1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:HE2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:HZ | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:N | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:O | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:C | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:CA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:CB | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:H | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:HA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:HB3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:N | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:O | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:O1P | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:O2P | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:O3P | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:OG | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:P | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:C | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:CA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:CB | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:CD1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:CD2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:CE1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:CE2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:CG | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:CZ | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:H | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:HA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:HB2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:HB3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:HD1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:HD2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:HE1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:HE2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:HH | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:N | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:O | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:OH | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:659:NH2:HN1 | 9 | 1.12 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HA | 2:B:659:NH2:HN2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:659:NH2:N | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:648:ACE:C | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:648:ACE:CH3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:648:ACE:H1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:648:ACE:H2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:648:ACE:H3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:648:ACE:O | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:C | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:CA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:CB | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:CG | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:H | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:HA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:HB2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:HB3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:N | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:O | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:OD1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:OD2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:C | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:CA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:CB | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:CD | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:CG | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:H | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:HA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:HB2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:HB3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:HE21 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:HE22 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:HG2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:HG3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:N | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:NE2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:O | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:OE1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:C | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:CA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:CB | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:H | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:HA | 9 | 1.12 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:HB2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:HB3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:HG | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:N | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:O | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:OG | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:C | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:CA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:CB | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:CG | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:H | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:HA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:HB2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:HB3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:N | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:O | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:OD1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:OD2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:C | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:CA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:CB | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:CD1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:CD2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:CE1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:CE2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:CG | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:CZ | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:H | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:HA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:HB2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:HB3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:HD1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:HD2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:HE1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:HE2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:HZ | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:N | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:O | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:C | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:CA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:CB | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:CD | 9 | 1.12 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:CG | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:H | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:HA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:HB2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:HB3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:HG2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:HG3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:N | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:O | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:OE1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:OE2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:655:GLY:C | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:655:GLY:CA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:655:GLY:H | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:655:GLY:HA2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:655:GLY:HA3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:655:GLY:N | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:655:GLY:O | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:C | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:CA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:CB | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:CD1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:CD2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:CE1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:CE2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:CG | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:CZ | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:H | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:HA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:HB2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:HB3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:HD1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:HD2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:HE1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:HE2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:HZ | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:N | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:O | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:C | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:CA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:CB | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:H | 9 | 1.12 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:HA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:HB3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:N | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:O | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:O1P | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:O2P | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:O3P | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:OG | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:P | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:C | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:CA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:CB | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:CD1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:CD2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:CE1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:CE2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:CG | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:CZ | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:H | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:HA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:HB2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:HB3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:HD1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:HD2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:HE1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:HE2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:HH | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:N | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:O | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:OH | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:659:NH2:HN1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:659:NH2:HN2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:659:NH2:N | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:648:ACE:C | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:648:ACE:CH3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:648:ACE:H1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:648:ACE:H2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:648:ACE:H3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:648:ACE:O | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:C | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:CA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:CB | 9 | 1.12 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:CG | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:H | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:HA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:HB2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:HB3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:N | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:O | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:OD1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:OD2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:C | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:CA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:CB | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:CD | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:CG | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:H | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:HA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:HB2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:HB3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:HE21 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:HE22 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:HG2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:HG3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:N | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:NE2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:O | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:OE1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:C | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:CA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:CB | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:H | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:HA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:HB2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:HB3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:HG | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:N | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:O | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:OG | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:C | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:CA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:CB | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:CG | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:H | 9 | 1.12 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:HA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:HB2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:HB3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:N | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:O | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:OD1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:OD2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:C | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:CA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:CB | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:CD1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:CD2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:CE1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:CE2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:CG | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:CZ | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:H | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:HA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:HB2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:HB3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:HD1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:HD2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:HE1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:HE2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:HZ | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:N | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:O | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:C | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:CA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:CB | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:CD | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:CG | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:H | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:HA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:HB2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:HB3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:HG2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:HG3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:N | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:O | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:OE1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:OE2 | 9 | 1.12 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HB3 | 2:B:655:GLY:C | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:655:GLY:CA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:655:GLY:H | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:655:GLY:HA2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:655:GLY:HA3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:655:GLY:N | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:655:GLY:O | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:C | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:CA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:CB | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:CD1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:CD2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:CE1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:CE2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:CG | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:CZ | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:H | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:HA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:HB2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:HB3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:HD1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:HD2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:HE1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:HE2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:HZ | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:N | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:O | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:C | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:CA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:CB | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:H | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:HA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:HB3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:N | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:O | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:O1P | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:O2P | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:O3P | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:OG | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:P | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:C | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:CA | 9 | 1.12 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:CB | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:CD1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:CD2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:CE1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:CE2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:CG | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:CZ | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:H | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:HA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:HB2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:HB3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:HD1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:HD2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:HE1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:HE2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:HH | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:N | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:O | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:OH | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:659:NH2:HN1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:659:NH2:HN2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:659:NH2:N | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:648:ACE:C | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:648:ACE:CH3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:648:ACE:H1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:648:ACE:H2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:648:ACE:H3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:648:ACE:O | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:C | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:CA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:CB | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:CG | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:H | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:HA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:HB2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:HB3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:N | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:O | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:OD1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:OD2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:C | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:CA | 9 | 1.12 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:CB | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:CD | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:CG | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:H | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:HA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:HB2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:HB3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:HE21 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:HE22 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:HG2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:HG3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:N | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:NE2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:O | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:OE1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:C | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:CA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:CB | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:H | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:HA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:HB2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:HB3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:HG | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:N | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:O | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:OG | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:C | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:CA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:CB | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:CG | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:H | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:HA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:HB2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:HB3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:N | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:O | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:OD1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:OD2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:C | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:CA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:CB | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:CD1 | 9 | 1.12 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:CD2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:CE1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:CE2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:CG | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:CZ | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:H | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:HA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:HB2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:HB3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:HD1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:HD2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:HE1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:HE2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:HZ | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:N | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:O | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:C | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:CA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:CB | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:CD | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:CG | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:H | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:HA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:HB2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:HB3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:HG2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:HG3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:N | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:O | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:OE1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:OE2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:655:GLY:C | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:655:GLY:CA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:655:GLY:H | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:655:GLY:HA2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:655:GLY:HA3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:655:GLY:N | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:655:GLY:O | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:C | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:CA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:CB | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:CD1 | 9 | 1.12 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:CD2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:CE1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:CE2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:CG | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:CZ | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:H | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:HA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:HB2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:HB3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:HD1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:HD2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:HE1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:HE2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:HZ | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:N | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:O | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:C | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:CA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:CB | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:H | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:HA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:HB3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:N | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:O | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:O1P | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:O2P | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:O3P | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:OG | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:P | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:C | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:CA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:CB | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:CD1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:CD2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:CE1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:CE2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:CG | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:CZ | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:H | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:HA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:HB2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:HB3 | 9 | 1.12 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:HD1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:HD2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:HE1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:HE2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:HH | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:N | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:O | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:OH | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:659:NH2:HN1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:659:NH2:HN2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:659:NH2:N | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:648:ACE:C | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:648:ACE:CH3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:648:ACE:H1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:648:ACE:H2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:648:ACE:H3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:648:ACE:O | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:C | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:CA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:CB | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:CG | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:H | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:HA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:HB2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:HB3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:N | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:O | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:OD1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:OD2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:C | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:CA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:CB | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:CD | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:CG | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:H | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:HA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:HB2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:HB3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:HE21 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:HE22 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:HG2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:HG3 | 9 | 1.12 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:N | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:NE2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:O | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:OE1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:C | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:CA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:CB | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:H | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:HA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:HB2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:HB3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:HG | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:N | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:O | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:OG | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:C | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:CA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:CB | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:CG | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:H | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:HA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:HB2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:HB3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:N | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:O | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:OD1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:OD2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:C | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:CA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:CB | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:CD1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:CD2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:CE1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:CE2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:CG | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:CZ | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:H | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:HA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:HB2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:HB3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:HD1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:HD2 | 9 | 1.12 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:HE1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:HE2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:HZ | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:N | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:O | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:C | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:CA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:CB | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:CD | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:CG | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:H | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:HA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:HB2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:HB3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:HG2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:HG3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:N | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:O | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:OE1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:OE2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:655:GLY:C | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:655:GLY:CA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:655:GLY:H | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:655:GLY:HA2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:655:GLY:HA3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:655:GLY:N | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:655:GLY:O | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:C | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:CA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:CB | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:CD1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:CD2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:CE1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:CE2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:CG | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:CZ | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:H | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:HA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:HB2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:HB3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:HD1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:HD2 | 9 | 1.12 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:HE1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:HE2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:HZ | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:N | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:O | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:C | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:CA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:CB | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:H | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:HA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:HB3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:N | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:O | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:O1P | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:O2P | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:O3P | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:OG | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:P | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:C | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:CA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:CB | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:CD1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:CD2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:CE1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:CE2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:CG | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:CZ | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:H | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:HA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:HB2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:HB3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:HD1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:HD2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:HE1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:HE2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:HH | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:N | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:O | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:OH | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:659:NH2:HN1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:659:NH2:HN2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:659:NH2:N | 9 | 1.12 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:N | 2:B:648:ACE:C | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:648:ACE:CH3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:648:ACE:H1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:648:ACE:H2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:648:ACE:H3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:648:ACE:O | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:C | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:CA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:CB | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:CG | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:H | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:HA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:HB2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:HB3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:N | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:O | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:OD1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:OD2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:C | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:CA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:CB | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:CD | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:CG | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:H | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:HA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:HB2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:HB3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:HE21 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:HE22 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:HG2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:HG3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:N | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:NE2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:O | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:OE1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:C | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:CA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:CB | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:H | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:HA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:HB2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:HB3 | 9 | 1.12 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:HG | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:N | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:O | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:OG | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:C | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:CA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:CB | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:CG | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:H | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:HA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:HB2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:HB3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:N | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:O | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:OD1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:OD2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:C | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:CA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:CB | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:CD1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:CD2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:CE1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:CE2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:CG | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:CZ | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:H | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:HA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:HB2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:HB3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:HD1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:HD2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:HE1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:HE2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:HZ | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:N | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:O | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:C | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:CA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:CB | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:CD | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:CG | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:H | 9 | 1.12 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:HA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:HB2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:HB3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:HG2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:HG3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:N | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:O | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:OE1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:OE2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:655:GLY:C | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:655:GLY:CA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:655:GLY:H | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:655:GLY:HA2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:655:GLY:HA3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:655:GLY:N | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:655:GLY:O | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:C | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:CA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:CB | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:CD1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:CD2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:CE1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:CE2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:CG | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:CZ | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:H | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:HA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:HB2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:HB3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:HD1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:HD2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:HE1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:HE2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:HZ | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:N | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:O | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:C | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:CA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:CB | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:H | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:HA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:HB3 | 9 | 1.12 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:N | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:O | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:O1P | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:O2P | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:O3P | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:OG | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:P | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:C | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:CA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:CB | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:CD1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:CD2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:CE1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:CE2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:CG | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:CZ | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:H | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:HA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:HB2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:HB3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:HD1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:HD2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:HE1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:HE2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:HH | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:N | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:O | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:OH | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:659:NH2:HN1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:659:NH2:HN2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:659:NH2:N | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:648:ACE:C | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:648:ACE:CH3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:648:ACE:H1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:648:ACE:H2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:648:ACE:H3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:648:ACE:O | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:C | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:CA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:CB | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:CG | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:H | 9 | 1.12 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:HA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:HB2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:HB3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:N | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:O | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:OD1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:OD2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:C | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:CA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:CB | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:CD | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:CG | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:H | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:HA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:HB2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:HB3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:HE21 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:HE22 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:HG2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:HG3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:N | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:NE2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:O | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:OE1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:C | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:CA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:CB | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:H | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:HA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:HB2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:HB3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:HG | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:N | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:O | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:OG | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:C | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:CA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:CB | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:CG | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:H | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:HA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:HB2 | 9 | 1.12 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:HB3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:N | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:O | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:OD1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:OD2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:C | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:CA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:CB | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:CD1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:CD2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:CE1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:CE2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:CG | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:CZ | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:H | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:HA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:HB2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:HB3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:HD1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:HD2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:HE1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:HE2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:HZ | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:N | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:O | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:C | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:CA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:CB | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:CD | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:CG | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:H | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:HA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:HB2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:HB3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:HG2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:HG3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:N | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:O | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:OE1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:OE2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:655:GLY:C | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:655:GLY:CA | 9 | 1.12 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:ND2 | 2:B:655:GLY:H | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:655:GLY:HA2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:655:GLY:HA3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:655:GLY:N | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:655:GLY:O | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:C | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:CA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:CB | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:CD1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:CD2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:CE1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:CE2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:CG | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:CZ | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:H | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:HA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:HB2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:HB3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:HD1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:HD2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:HE1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:HE2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:HZ | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:N | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:O | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:C | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:CA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:CB | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:H | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:HA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:HB3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:N | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:O | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:O1P | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:O2P | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:O3P | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:OG | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:P | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:C | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:CA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:CB | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:CD1 | 9 | 1.12 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:CD2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:CE1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:CE2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:CG | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:CZ | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:H | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:HA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:HB2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:HB3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:HD1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:HD2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:HE1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:HE2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:HH | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:N | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:O | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:OH | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:659:NH2:HN1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:659:NH2:HN2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:659:NH2:N | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:648:ACE:C | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:648:ACE:CH3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:648:ACE:H1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:648:ACE:H2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:648:ACE:H3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:648:ACE:O | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:C | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:CA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:CB | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:CG | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:H | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:HA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:HB2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:HB3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:N | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:O | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:OD1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:OD2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:C | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:CA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:CB | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:CD | 9 | 1.12 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:CG | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:H | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:HA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:HB2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:HB3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:HE21 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:HE22 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:HG2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:HG3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:N | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:NE2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:O | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:OE1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:C | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:CA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:CB | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:H | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:HA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:HB2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:HB3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:HG | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:N | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:O | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:OG | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:C | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:CA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:CB | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:CG | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:H | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:HA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:HB2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:HB3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:N | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:O | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:OD1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:OD2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:C | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:CA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:CB | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:CD1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:CD2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:CE1 | 9 | 1.12 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:CE2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:CG | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:CZ | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:H | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:HA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:HB2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:HB3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:HD1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:HD2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:HE1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:HE2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:HZ | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:N | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:O | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:C | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:CA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:CB | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:CD | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:CG | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:H | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:HA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:HB2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:HB3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:HG2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:HG3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:N | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:O | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:OE1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:OE2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:655:GLY:C | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:655:GLY:CA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:655:GLY:H | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:655:GLY:HA2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:655:GLY:HA3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:655:GLY:N | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:655:GLY:O | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:C | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:CA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:CB | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:CD1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:CD2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:CE1 | 9 | 1.12 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:CE2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:CG | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:CZ | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:H | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:HA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:HB2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:HB3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:HD1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:HD2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:HE1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:HE2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:HZ | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:N | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:O | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:C | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:CA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:CB | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:H | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:HA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:HB3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:N | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:O | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:O1P | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:O2P | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:O3P | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:OG | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:P | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:C | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:CA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:CB | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:CD1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:CD2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:CE1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:CE2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:CG | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:CZ | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:H | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:HA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:HB2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:HB3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:HD1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:HD2 | 9 | 1.12 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:HE1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:HE2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:HH | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:N | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:O | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:OH | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:659:NH2:HN1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:659:NH2:HN2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:659:NH2:N | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:648:ACE:C | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:648:ACE:CH3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:648:ACE:H1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:648:ACE:H2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:648:ACE:H3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:648:ACE:O | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:C | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:CA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:CB | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:CG | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:H | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:HA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:HB2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:HB3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:N | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:O | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:OD1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:OD2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:C | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:CA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:CB | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:CD | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:CG | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:H | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:HA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:HB2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:HB3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:HE21 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:HE22 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:HG2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:HG3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:N | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:NE2 | 9 | 1.12 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:O | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:OE1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:C | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:CA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:CB | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:H | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:HA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:HB2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:HB3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:HG | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:N | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:O | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:OG | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:C | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:CA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:CB | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:CG | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:H | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:HA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:HB2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:HB3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:N | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:O | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:OD1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:OD2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:C | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:CA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:CB | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:CD1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:CD2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:CE1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:CE2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:CG | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:CZ | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:H | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:HA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:HB2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:HB3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:HD1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:HD2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:HE1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:HE2 | 9 | 1.12 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:HZ | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:N | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:O | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:C | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:CA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:CB | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:CD | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:CG | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:H | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:HA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:HB2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:HB3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:HG2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:HG3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:N | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:O | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:OE1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:OE2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:655:GLY:C | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:655:GLY:CA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:655:GLY:H | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:655:GLY:HA2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:655:GLY:HA3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:655:GLY:N | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:655:GLY:O | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:C | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:CA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:CB | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:CD1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:CD2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:CE1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:CE2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:CG | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:CZ | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:H | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:HA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:HB2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:HB3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:HD1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:HD2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:HE1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:HE2 | 9 | 1.12 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:HZ | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:N | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:O | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:C | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:CA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:CB | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:H | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:HA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:HB3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:N | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:O | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:O1P | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:O2P | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:O3P | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:OG | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:P | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:C | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:CA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:CB | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:CD1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:CD2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:CE1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:CE2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:CG | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:CZ | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:H | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:HA | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:HB2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:HB3 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:HD1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:HD2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:HE1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:HE2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:HH | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:N | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:O | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:OH | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:659:NH2:HN1 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:659:NH2:HN2 | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:659:NH2:N | 9 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:648:ACE:C | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:648:ACE:CH3 | 16 | 1.12 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:C | 2:B:648:ACE:H1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:648:ACE:H2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:648:ACE:H3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:648:ACE:O | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:C | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:CA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:CB | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:CG | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:H | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:HA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:HB2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:HB3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:N | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:O | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:OD1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:OD2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:C | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:CA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:CB | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:CD | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:CG | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:H | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:HA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:HB2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:HB3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:HE21 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:HE22 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:HG2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:HG3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:N | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:NE2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:O | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:OE1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:C | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:CA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:CB | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:H | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:HA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:HB2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:HB3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:HG | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:N | 16 | 1.12 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:O | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:OG | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:C | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:CA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:CB | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:CG | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:H | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:HA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:HB2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:HB3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:N | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:O | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:OD1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:OD2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:C | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:CA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:CB | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:CD1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:CD2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:CE1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:CE2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:CG | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:CZ | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:H | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:HA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:HB2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:HB3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:HD1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:HD2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:HE1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:HE2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:HZ | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:N | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:O | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:C | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:CA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:CB | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:CD | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:CG | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:H | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:HA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:HB2 | 16 | 1.12 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:HB3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:HG2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:HG3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:N | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:O | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:OE1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:OE2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:655:GLY:C | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:655:GLY:CA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:655:GLY:H | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:655:GLY:HA2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:655:GLY:HA3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:655:GLY:N | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:655:GLY:O | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:C | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:CA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:CB | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:CD1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:CD2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:CE1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:CE2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:CG | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:CZ | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:H | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:HA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:HB2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:HB3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:HD1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:HD2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:HE1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:HE2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:HZ | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:N | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:O | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:C | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:CA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:CB | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:H | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:HA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:HB3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:N | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:O | 16 | 1.12 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:O1P | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:O2P | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:O3P | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:OG | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:P | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:C | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:CA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:CB | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:CD1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:CD2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:CE1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:CE2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:CG | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:CZ | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:H | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:HA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:HB2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:HB3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:HD1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:HD2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:HE1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:HE2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:HH | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:N | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:O | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:OH | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:659:NH2:HN1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:659:NH2:HN2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:659:NH2:N | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:648:ACE:C | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:648:ACE:CH3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:648:ACE:H1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:648:ACE:H2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:648:ACE:H3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:648:ACE:O | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:C | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:CA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:CB | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:CG | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:H | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:HA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:HB2 | 16 | 1.12 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:HB3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:N | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:O | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:OD1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:OD2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:C | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:CA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:CB | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:CD | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:CG | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:H | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:HA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:HB2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:HB3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:HE21 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:HE22 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:HG2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:HG3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:N | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:NE2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:O | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:OE1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:C | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:CA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:CB | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:H | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:HA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:HB2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:HB3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:HG | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:N | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:O | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:OG | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:C | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:CA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:CB | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:CG | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:H | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:HA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:HB2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:HB3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:N | 16 | 1.12 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:O | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:OD1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:OD2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:C | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:CA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:CB | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:CD1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:CD2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:CE1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:CE2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:CG | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:CZ | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:H | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:HA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:HB2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:HB3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:HD1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:HD2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:HE1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:HE2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:HZ | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:N | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:O | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:C | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:CA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:CB | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:CD | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:CG | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:H | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:HA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:HB2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:HB3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:HG2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:HG3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:N | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:O | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:OE1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:OE2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:655:GLY:C | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:655:GLY:CA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:655:GLY:H | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:655:GLY:HA2 | 16 | 1.12 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CA | 2:B:655:GLY:HA3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:655:GLY:N | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:655:GLY:O | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:C | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:CA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:CB | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:CD1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:CD2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:CE1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:CE2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:CG | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:CZ | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:H | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:HA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:HB2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:HB3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:HD1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:HD2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:HE1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:HE2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:HZ | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:N | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:O | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:C | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:CA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:CB | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:H | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:HA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:HB3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:N | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:O | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:O1P | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:O2P | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:O3P | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:OG | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:P | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:C | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:CA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:CB | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:CD1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:CD2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:CE1 | 16 | 1.12 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:CE2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:CG | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:CZ | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:H | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:HA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:HB2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:HB3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:HD1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:HD2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:HE1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:HE2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:HH | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:N | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:O | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:OH | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:659:NH2:HN1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:659:NH2:HN2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CA | 2:B:659:NH2:N | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:648:ACE:C | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:648:ACE:CH3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:648:ACE:H1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:648:ACE:H2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:648:ACE:H3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:648:ACE:O | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:C | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:CA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:CB | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:CG | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:H | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:HA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:HB2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:HB3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:N | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:O | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:OD1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:OD2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:C | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:CA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:CB | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:CD | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:CG | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:H | 16 | 1.12 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:HA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:HB2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:HB3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:HE21 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:HE22 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:HG2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:HG3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:N | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:NE2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:O | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:OE1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:C | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:CA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:CB | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:H | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:HA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:HB2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:HB3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:HG | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:N | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:O | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:OG | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:C | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:CA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:CB | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:CG | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:H | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:HA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:HB2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:HB3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:N | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:O | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:OD1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:OD2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:C | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:CA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:CB | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:CD1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:CD2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:CE1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:CE2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:CG | 16 | 1.12 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:CZ | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:H | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:HA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:HB2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:HB3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:HD1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:HD2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:HE1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:HE2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:HZ | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:N | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:O | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:C | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:CA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:CB | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:CD | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:CG | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:H | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:HA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:HB2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:HB3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:HG2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:HG3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:N | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:O | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:OE1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:OE2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:655:GLY:C | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:655:GLY:CA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:655:GLY:H | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:655:GLY:HA2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:655:GLY:HA3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:655:GLY:N | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:655:GLY:O | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:C | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:CA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:CB | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:CD1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:CD2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:CE1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:CE2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:CG | 16 | 1.12 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:CZ | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:H | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:HA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:HB2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:HB3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:HD1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:HD2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:HE1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:HE2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:HZ | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:N | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:O | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:C | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:CA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:CB | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:H | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:HA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:HB3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:N | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:O | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:O1P | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:O2P | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:O3P | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:OG | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:P | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:C | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:CA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:CB | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:CD1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:CD2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:CE1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:CE2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:CG | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:CZ | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:H | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:HA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:HB2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:HB3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:HD1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:HD2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:HE1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:HE2 | 16 | 1.12 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:HH | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:N | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:O | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:OH | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:659:NH2:HN1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:659:NH2:HN2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CB | 2:B:659:NH2:N | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:648:ACE:C | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:648:ACE:CH3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:648:ACE:H1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:648:ACE:H2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:648:ACE:H3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:648:ACE:O | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:C | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:CA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:CB | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:CG | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:H | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:HA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:HB2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:HB3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:N | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:O | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:OD1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:OD2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:C | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:CA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:CB | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:CD | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:CG | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:H | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:HA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:HB2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:HB3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:HE21 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:HE22 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:HG2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:HG3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:N | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:NE2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:O | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:OE1 | 16 | 1.12 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:C | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:CA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:CB | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:H | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:HA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:HB2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:HB3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:HG | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:N | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:O | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:OG | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:C | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:CA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:CB | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:CG | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:H | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:HA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:HB2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:HB3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:N | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:O | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:OD1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:OD2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:C | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:CA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:CB | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:CD1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:CD2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:CE1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:CE2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:CG | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:CZ | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:H | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:HA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:HB2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:HB3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:HD1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:HD2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:HE1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:HE2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:HZ | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:N | 16 | 1.12 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:O | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:C | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:CA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:CB | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:CD | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:CG | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:H | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:HA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:HB2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:HB3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:HG2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:HG3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:N | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:O | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:OE1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:OE2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:655:GLY:C | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:655:GLY:CA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:655:GLY:H | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:655:GLY:HA2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:655:GLY:HA3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:655:GLY:N | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:655:GLY:O | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:C | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:CA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:CB | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:CD1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:CD2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:CE1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:CE2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:CG | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:CZ | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:H | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:HA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:HB2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:HB3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:HD1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:HD2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:HE1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:HE2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:HZ | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:N | 16 | 1.12 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:O | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:C | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:CA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:CB | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:H | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:HA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:HB3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:N | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:O | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:O1P | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:O2P | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:O3P | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:OG | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:P | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:C | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:CA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:CB | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:CD1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:CD2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:CE1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:CE2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:CG | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:CZ | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:H | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:HA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:HB2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:HB3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:HD1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:HD2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:HE1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:HE2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:HH | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:N | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:O | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:OH | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:659:NH2:HN1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:659:NH2:HN2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:CG | 2:B:659:NH2:N | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:648:ACE:C | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:648:ACE:CH3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:648:ACE:H1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:648:ACE:H2 | 16 | 1.12 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:H | 2:B:648:ACE:H3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:648:ACE:O | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:C | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:CA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:CB | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:CG | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:H | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:HA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:HB2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:HB3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:N | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:O | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:OD1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:OD2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:C | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:CA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:CB | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:CD | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:CG | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:H | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:HA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:HB2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:HB3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:HE21 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:HE22 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:HG2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:HG3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:N | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:NE2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:O | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:OE1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:C | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:CA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:CB | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:H | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:HA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:HB2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:HB3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:HG | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:N | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:O | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:OG | 16 | 1.12 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:C | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:CA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:CB | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:CG | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:H | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:HA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:HB2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:HB3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:N | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:O | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:OD1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:OD2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:C | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:CA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:CB | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:CD1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:CD2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:CE1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:CE2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:CG | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:CZ | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:H | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:HA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:HB2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:HB3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:HD1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:HD2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:HE1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:HE2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:HZ | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:N | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:O | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:C | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:CA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:CB | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:CD | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:CG | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:H | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:HA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:HB2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:HB3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:HG2 | 16 | 1.12 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:HG3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:N | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:O | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:OE1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:OE2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:655:GLY:C | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:655:GLY:CA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:655:GLY:H | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:655:GLY:HA2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:655:GLY:HA3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:655:GLY:N | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:655:GLY:O | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:C | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:CA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:CB | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:CD1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:CD2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:CE1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:CE2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:CG | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:CZ | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:H | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:HA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:HB2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:HB3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:HD1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:HD2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:HE1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:HE2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:HZ | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:N | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:O | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:C | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:CA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:CB | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:H | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:HA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:HB3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:N | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:O | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:O1P | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:O2P | 16 | 1.12 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:O3P | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:OG | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:P | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:C | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:CA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:CB | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:CD1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:CD2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:CE1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:CE2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:CG | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:CZ | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:H | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:HA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:HB2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:HB3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:HD1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:HD2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:HE1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:HE2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:HH | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:N | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:O | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:OH | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:659:NH2:HN1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:659:NH2:HN2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:H | 2:B:659:NH2:N | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:648:ACE:C | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:648:ACE:CH3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:648:ACE:H1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:648:ACE:H2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:648:ACE:H3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:648:ACE:O | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:C | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:CA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:CB | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:CG | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:H | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:HA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:HB2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:HB3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:N | 16 | 1.12 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:O | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:OD1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:OD2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:C | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:CA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:CB | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:CD | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:CG | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:H | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:HA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:HB2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:HB3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:HE21 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:HE22 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:HG2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:HG3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:N | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:NE2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:O | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:OE1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:C | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:CA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:CB | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:H | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:HA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:HB2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:HB3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:HG | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:N | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:O | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:OG | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:C | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:CA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:CB | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:CG | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:H | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:HA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:HB2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:HB3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:N | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:O | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:OD1 | 16 | 1.12 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:OD2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:C | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:CA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:CB | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:CD1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:CD2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:CE1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:CE2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:CG | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:CZ | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:H | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:HA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:HB2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:HB3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:HD1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:HD2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:HE1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:HE2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:HZ | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:N | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:O | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:C | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:CA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:CB | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:CD | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:CG | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:H | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:HA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:HB2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:HB3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:HG2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:HG3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:N | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:O | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:OE1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:OE2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:655:GLY:C | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:655:GLY:CA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:655:GLY:H | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:655:GLY:HA2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:655:GLY:HA3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:655:GLY:N | 16 | 1.12 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HA | 2:B:655:GLY:O | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:C | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:CA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:CB | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:CD1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:CD2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:CE1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:CE2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:CG | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:CZ | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:H | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:HA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:HB2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:HB3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:HD1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:HD2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:HE1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:HE2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:HZ | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:N | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:O | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:C | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:CA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:CB | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:H | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:HA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:HB3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:N | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:O | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:O1P | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:O2P | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:O3P | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:OG | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:P | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:C | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:CA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:CB | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:CD1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:CD2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:CE1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:CE2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:CG | 16 | 1.12 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:CZ | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:H | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:HA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:HB2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:HB3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:HD1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:HD2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:HE1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:HE2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:HH | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:N | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:O | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:OH | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:659:NH2:HN1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:659:NH2:HN2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HA | 2:B:659:NH2:N | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:648:ACE:C | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:648:ACE:CH3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:648:ACE:H1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:648:ACE:H2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:648:ACE:H3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:648:ACE:O | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:C | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:CA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:CB | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:CG | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:H | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:HA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:HB2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:HB3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:N | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:O | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:OD1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:OD2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:C | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:CA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:CB | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:CD | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:CG | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:H | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:HA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:HB2 | 16 | 1.12 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:HB3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:HE21 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:HE22 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:HG2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:HG3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:N | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:NE2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:O | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:OE1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:C | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:CA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:CB | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:H | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:HA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:HB2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:HB3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:HG | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:N | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:O | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:OG | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:C | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:CA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:CB | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:CG | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:H | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:HA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:HB2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:HB3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:N | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:O | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:OD1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:OD2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:C | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:CA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:CB | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:CD1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:CD2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:CE1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:CE2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:CG | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:CZ | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:H | 16 | 1.12 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:HA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:HB2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:HB3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:HD1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:HD2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:HE1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:HE2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:HZ | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:N | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:O | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:C | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:CA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:CB | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:CD | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:CG | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:H | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:HA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:HB2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:HB3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:HG2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:HG3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:N | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:O | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:OE1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:OE2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:655:GLY:C | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:655:GLY:CA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:655:GLY:H | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:655:GLY:HA2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:655:GLY:HA3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:655:GLY:N | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:655:GLY:O | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:C | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:CA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:CB | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:CD1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:CD2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:CE1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:CE2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:CG | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:CZ | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:H | 16 | 1.12 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:HA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:HB2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:HB3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:HD1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:HD2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:HE1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:HE2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:HZ | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:N | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:O | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:C | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:CA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:CB | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:H | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:HA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:HB3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:N | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:O | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:O1P | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:O2P | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:O3P | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:OG | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:P | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:C | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:CA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:CB | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:CD1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:CD2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:CE1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:CE2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:CG | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:CZ | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:H | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:HA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:HB2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:HB3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:HD1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:HD2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:HE1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:HE2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:HH | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:N | 16 | 1.12 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:O | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:OH | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:659:NH2:HN1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:659:NH2:HN2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:659:NH2:N | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:648:ACE:C | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:648:ACE:CH3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:648:ACE:H1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:648:ACE:H2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:648:ACE:H3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:648:ACE:O | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:C | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:CA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:CB | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:CG | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:H | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:HA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:HB2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:HB3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:N | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:O | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:OD1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:OD2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:C | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:CA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:CB | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:CD | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:CG | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:H | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:HA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:HB2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:HB3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:HE21 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:HE22 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:HG2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:HG3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:N | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:NE2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:O | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:OE1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:C | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:CA | 16 | 1.12 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:CB | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:H | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:HA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:HB2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:HB3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:HG | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:N | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:O | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:OG | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:C | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:CA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:CB | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:CG | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:H | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:HA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:HB2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:HB3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:N | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:O | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:OD1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:OD2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:C | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:CA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:CB | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:CD1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:CD2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:CE1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:CE2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:CG | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:CZ | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:H | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:HA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:HB2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:HB3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:HD1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:HD2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:HE1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:HE2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:HZ | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:N | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:O | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:C | 16 | 1.12 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:CA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:CB | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:CD | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:CG | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:H | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:HA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:HB2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:HB3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:HG2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:HG3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:N | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:O | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:OE1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:OE2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:655:GLY:C | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:655:GLY:CA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:655:GLY:H | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:655:GLY:HA2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:655:GLY:HA3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:655:GLY:N | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:655:GLY:O | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:C | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:CA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:CB | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:CD1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:CD2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:CE1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:CE2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:CG | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:CZ | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:H | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:HA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:HB2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:HB3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:HD1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:HD2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:HE1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:HE2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:HZ | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:N | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:O | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:C | 16 | 1.12 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:CA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:CB | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:H | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:HA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:HB3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:N | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:O | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:O1P | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:O2P | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:O3P | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:OG | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:P | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:C | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:CA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:CB | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:CD1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:CD2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:CE1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:CE2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:CG | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:CZ | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:H | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:HA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:HB2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:HB3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:HD1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:HD2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:HE1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:HE2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:HH | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:N | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:O | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:OH | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:659:NH2:HN1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:659:NH2:HN2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:659:NH2:N | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:648:ACE:C | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:648:ACE:CH3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:648:ACE:H1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:648:ACE:H2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:648:ACE:H3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:648:ACE:O | 16 | 1.12 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:C | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:CA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:CB | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:CG | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:H | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:HA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:HB2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:HB3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:N | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:O | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:OD1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:OD2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:C | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:CA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:CB | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:CD | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:CG | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:H | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:HA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:HB2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:HB3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:HE21 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:HE22 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:HG2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:HG3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:N | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:NE2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:O | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:OE1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:C | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:CA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:CB | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:H | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:HA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:HB2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:HB3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:HG | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:N | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:O | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:OG | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:C | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:CA | 16 | 1.12 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:CB | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:CG | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:H | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:HA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:HB2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:HB3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:N | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:O | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:OD1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:OD2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:C | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:CA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:CB | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:CD1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:CD2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:CE1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:CE2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:CG | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:CZ | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:H | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:HA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:HB2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:HB3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:HD1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:HD2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:HE1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:HE2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:HZ | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:N | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:O | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:C | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:CA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:CB | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:CD | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:CG | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:H | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:HA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:HB2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:HB3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:HG2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:HG3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:N | 16 | 1.12 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:O | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:OE1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:OE2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:655:GLY:C | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:655:GLY:CA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:655:GLY:H | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:655:GLY:HA2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:655:GLY:HA3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:655:GLY:N | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:655:GLY:O | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:C | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:CA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:CB | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:CD1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:CD2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:CE1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:CE2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:CG | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:CZ | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:H | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:HA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:HB2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:HB3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:HD1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:HD2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:HE1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:HE2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:HZ | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:N | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:O | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:C | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:CA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:CB | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:H | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:HA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:HB3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:N | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:O | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:O1P | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:O2P | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:O3P | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:OG | 16 | 1.12 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:P | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:C | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:CA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:CB | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:CD1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:CD2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:CE1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:CE2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:CG | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:CZ | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:H | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:HA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:HB2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:HB3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:HD1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:HD2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:HE1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:HE2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:HH | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:N | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:O | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:OH | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:659:NH2:HN1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:659:NH2:HN2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:659:NH2:N | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:648:ACE:C | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:648:ACE:CH3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:648:ACE:H1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:648:ACE:H2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:648:ACE:H3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:648:ACE:O | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:C | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:CA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:CB | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:CG | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:H | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:HA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:HB2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:HB3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:N | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:O | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:OD1 | 16 | 1.12 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:OD2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:C | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:CA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:CB | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:CD | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:CG | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:H | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:HA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:HB2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:HB3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:HE21 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:HE22 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:HG2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:HG3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:N | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:NE2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:O | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:OE1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:C | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:CA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:CB | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:H | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:HA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:HB2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:HB3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:HG | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:N | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:O | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:OG | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:C | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:CA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:CB | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:CG | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:H | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:HA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:HB2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:HB3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:N | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:O | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:OD1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:OD2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:C | 16 | 1.12 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:CA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:CB | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:CD1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:CD2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:CE1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:CE2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:CG | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:CZ | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:H | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:HA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:HB2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:HB3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:HD1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:HD2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:HE1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:HE2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:HZ | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:N | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:O | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:C | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:CA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:CB | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:CD | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:CG | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:H | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:HA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:HB2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:HB3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:HG2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:HG3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:N | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:O | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:OE1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:OE2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:655:GLY:C | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:655:GLY:CA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:655:GLY:H | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:655:GLY:HA2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:655:GLY:HA3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:655:GLY:N | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:655:GLY:O | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:C | 16 | 1.12 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:CA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:CB | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:CD1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:CD2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:CE1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:CE2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:CG | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:CZ | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:H | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:HA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:HB2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:HB3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:HD1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:HD2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:HE1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:HE2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:HZ | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:N | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:O | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:C | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:CA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:CB | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:H | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:HA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:HB3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:N | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:O | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:O1P | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:O2P | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:O3P | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:OG | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:P | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:C | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:CA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:CB | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:CD1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:CD2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:CE1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:CE2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:CG | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:CZ | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:H | 16 | 1.12 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:HA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:HB2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:HB3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:HD1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:HD2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:HE1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:HE2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:HH | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:N | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:O | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:OH | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:659:NH2:HN1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:659:NH2:HN2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:659:NH2:N | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:648:ACE:C | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:648:ACE:CH3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:648:ACE:H1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:648:ACE:H2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:648:ACE:H3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:648:ACE:O | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:C | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:CA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:CB | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:CG | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:H | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:HA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:HB2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:HB3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:N | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:O | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:OD1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:OD2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:C | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:CA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:CB | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:CD | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:CG | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:H | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:HA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:HB2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:HB3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:HE21 | 16 | 1.12 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:HE22 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:HG2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:HG3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:N | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:NE2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:O | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:OE1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:C | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:CA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:CB | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:H | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:HA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:HB2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:HB3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:HG | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:N | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:O | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:OG | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:C | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:CA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:CB | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:CG | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:H | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:HA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:HB2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:HB3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:N | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:O | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:OD1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:OD2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:C | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:CA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:CB | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:CD1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:CD2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:CE1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:CE2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:CG | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:CZ | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:H | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:HA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:HB2 | 16 | 1.12 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:HB3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:HD1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:HD2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:HE1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:HE2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:HZ | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:N | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:O | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:C | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:CA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:CB | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:CD | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:CG | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:H | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:HA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:HB2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:HB3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:HG2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:HG3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:N | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:O | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:OE1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:OE2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:655:GLY:C | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:655:GLY:CA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:655:GLY:H | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:655:GLY:HA2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:655:GLY:HA3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:655:GLY:N | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:655:GLY:O | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:C | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:CA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:CB | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:CD1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:CD2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:CE1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:CE2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:CG | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:CZ | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:H | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:HA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:HB2 | 16 | 1.12 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:HB3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:HD1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:HD2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:HE1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:HE2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:HZ | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:N | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:O | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:C | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:CA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:CB | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:H | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:HA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:HB3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:N | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:O | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:O1P | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:O2P | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:O3P | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:OG | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:P | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:C | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:CA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:CB | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:CD1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:CD2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:CE1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:CE2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:CG | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:CZ | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:H | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:HA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:HB2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:HB3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:HD1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:HD2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:HE1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:HE2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:HH | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:N | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:O | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:OH | 16 | 1.12 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:N | 2:B:659:NH2:HN1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:659:NH2:HN2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:N | 2:B:659:NH2:N | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:648:ACE:C | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:648:ACE:CH3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:648:ACE:H1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:648:ACE:H2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:648:ACE:H3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:648:ACE:O | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:C | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:CA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:CB | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:CG | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:H | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:HA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:HB2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:HB3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:N | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:O | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:OD1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:OD2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:C | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:CA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:CB | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:CD | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:CG | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:H | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:HA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:HB2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:HB3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:HE21 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:HE22 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:HG2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:HG3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:N | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:NE2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:O | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:OE1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:C | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:CA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:CB | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:H | 16 | 1.12 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:HA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:HB2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:HB3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:HG | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:N | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:O | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:OG | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:C | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:CA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:CB | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:CG | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:H | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:HA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:HB2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:HB3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:N | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:O | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:OD1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:OD2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:C | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:CA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:CB | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:CD1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:CD2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:CE1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:CE2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:CG | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:CZ | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:H | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:HA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:HB2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:HB3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:HD1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:HD2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:HE1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:HE2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:HZ | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:N | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:O | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:C | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:CA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:CB | 16 | 1.12 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:CD | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:CG | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:H | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:HA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:HB2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:HB3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:HG2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:HG3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:N | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:O | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:OE1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:OE2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:655:GLY:C | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:655:GLY:CA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:655:GLY:H | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:655:GLY:HA2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:655:GLY:HA3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:655:GLY:N | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:655:GLY:O | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:C | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:CA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:CB | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:CD1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:CD2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:CE1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:CE2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:CG | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:CZ | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:H | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:HA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:HB2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:HB3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:HD1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:HD2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:HE1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:HE2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:HZ | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:N | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:O | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:C | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:CA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:CB | 16 | 1.12 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:H | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:HA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:HB3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:N | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:O | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:O1P | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:O2P | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:O3P | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:OG | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:P | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:C | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:CA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:CB | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:CD1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:CD2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:CE1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:CE2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:CG | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:CZ | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:H | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:HA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:HB2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:HB3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:HD1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:HD2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:HE1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:HE2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:HH | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:N | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:O | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:OH | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:659:NH2:HN1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:659:NH2:HN2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:659:NH2:N | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:648:ACE:C | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:648:ACE:CH3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:648:ACE:H1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:648:ACE:H2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:648:ACE:H3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:648:ACE:O | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:C | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:CA | 16 | 1.12 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:CB | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:CG | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:H | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:HA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:HB2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:HB3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:N | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:O | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:OD1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:OD2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:C | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:CA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:CB | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:CD | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:CG | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:H | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:HA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:HB2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:HB3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:HE21 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:HE22 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:HG2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:HG3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:N | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:NE2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:O | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:OE1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:C | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:CA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:CB | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:H | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:HA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:HB2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:HB3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:HG | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:N | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:O | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:OG | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:C | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:CA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:CB | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:CG | 16 | 1.12 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:H | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:HA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:HB2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:HB3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:N | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:O | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:OD1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:OD2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:C | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:CA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:CB | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:CD1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:CD2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:CE1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:CE2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:CG | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:CZ | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:H | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:HA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:HB2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:HB3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:HD1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:HD2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:HE1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:HE2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:HZ | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:N | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:O | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:C | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:CA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:CB | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:CD | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:CG | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:H | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:HA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:HB2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:HB3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:HG2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:HG3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:N | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:O | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:OE1 | 16 | 1.12 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:OE2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:655:GLY:C | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:655:GLY:CA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:655:GLY:H | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:655:GLY:HA2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:655:GLY:HA3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:655:GLY:N | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:655:GLY:O | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:C | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:CA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:CB | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:CD1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:CD2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:CE1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:CE2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:CG | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:CZ | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:H | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:HA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:HB2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:HB3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:HD1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:HD2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:HE1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:HE2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:HZ | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:N | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:O | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:C | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:CA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:CB | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:H | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:HA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:HB3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:N | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:O | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:O1P | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:O2P | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:O3P | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:OG | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:P | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:C | 16 | 1.12 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:CA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:CB | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:CD1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:CD2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:CE1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:CE2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:CG | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:CZ | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:H | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:HA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:HB2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:HB3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:HD1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:HD2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:HE1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:HE2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:HH | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:N | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:O | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:OH | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:659:NH2:HN1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:659:NH2:HN2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:O | 2:B:659:NH2:N | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:648:ACE:C | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:648:ACE:CH3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:648:ACE:H1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:648:ACE:H2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:648:ACE:H3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:648:ACE:O | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:C | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:CA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:CB | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:CG | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:H | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:HA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:HB2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:HB3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:N | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:O | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:OD1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:OD2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:C | 16 | 1.12 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:CA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:CB | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:CD | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:CG | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:H | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:HA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:HB2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:HB3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:HE21 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:HE22 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:HG2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:HG3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:N | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:NE2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:O | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:OE1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:C | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:CA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:CB | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:H | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:HA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:HB2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:HB3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:HG | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:N | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:O | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:OG | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:C | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:CA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:CB | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:CG | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:H | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:HA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:HB2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:HB3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:N | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:O | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:OD1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:OD2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:C | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:CA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:CB | 16 | 1.12 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:CD1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:CD2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:CE1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:CE2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:CG | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:CZ | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:H | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:HA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:HB2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:HB3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:HD1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:HD2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:HE1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:HE2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:HZ | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:N | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:O | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:C | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:CA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:CB | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:CD | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:CG | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:H | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:HA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:HB2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:HB3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:HG2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:HG3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:N | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:O | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:OE1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:OE2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:655:GLY:C | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:655:GLY:CA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:655:GLY:H | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:655:GLY:HA2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:655:GLY:HA3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:655:GLY:N | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:655:GLY:O | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:C | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:CA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:CB | 16 | 1.12 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:CD1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:CD2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:CE1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:CE2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:CG | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:CZ | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:H | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:HA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:HB2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:HB3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:HD1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:HD2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:HE1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:HE2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:HZ | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:N | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:O | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:C | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:CA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:CB | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:H | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:HA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:HB3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:N | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:O | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:O1P | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:O2P | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:O3P | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:OG | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:P | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:C | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:CA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:CB | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:CD1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:CD2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:CE1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:CE2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:CG | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:CZ | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:H | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:HA | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:HB2 | 16 | 1.12 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:HB3 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:HD1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:HD2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:HE1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:HE2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:HH | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:N | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:O | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:OH | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:659:NH2:HN1 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:659:NH2:HN2 | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:659:NH2:N | 16 | 1.12 |
| (1,34) | 1:A:253:ASN:C | 2:B:648:ACE:C | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:648:ACE:CH3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:648:ACE:H1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:648:ACE:H2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:648:ACE:H3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:648:ACE:O | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:C | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:CA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:CB | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:CG | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:H | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:HA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:HB2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:HB3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:N | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:O | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:OD1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:OD2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:C | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:CA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:CB | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:CD | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:CG | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:H | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:HA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:HB2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:HB3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:HE21 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:HE22 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:HG2 | 4 | 1.11 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:HG3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:N | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:NE2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:O | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:OE1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:C | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:CA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:CB | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:H | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:HA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:HB2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:HB3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:HG | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:N | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:O | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:OG | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:C | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:CA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:CB | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:CG | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:H | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:HA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:HB2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:HB3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:N | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:O | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:OD1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:OD2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:C | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:CA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:CB | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:CD1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:CD2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:CE1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:CE2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:CG | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:CZ | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:H | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:HA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:HB2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:HB3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:HD1 | 4 | 1.11 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:HD2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:HE1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:HE2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:HZ | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:N | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:O | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:C | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:CA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:CB | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:CD | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:CG | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:H | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:HA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:HB2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:HB3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:HG2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:HG3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:N | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:O | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:OE1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:OE2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:655:GLY:C | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:655:GLY:CA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:655:GLY:H | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:655:GLY:HA2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:655:GLY:HA3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:655:GLY:N | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:655:GLY:O | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:C | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:CA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:CB | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:CD1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:CD2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:CE1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:CE2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:CG | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:CZ | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:H | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:HA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:HB2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:HB3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:HD1 | 4 | 1.11 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:HD2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:HE1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:HE2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:HZ | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:N | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:O | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:C | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:CA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:CB | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:H | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:HA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:HB3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:N | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:O | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:O1P | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:O2P | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:O3P | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:OG | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:P | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:C | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:CA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:CB | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:CD1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:CD2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:CE1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:CE2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:CG | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:CZ | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:H | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:HA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:HB2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:HB3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:HD1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:HD2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:HE1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:HE2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:HH | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:N | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:O | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:OH | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:659:NH2:HN1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:659:NH2:HN2 | 4 | 1.11 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:C | 2:B:659:NH2:N | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:648:ACE:C | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:648:ACE:CH3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:648:ACE:H1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:648:ACE:H2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:648:ACE:H3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:648:ACE:O | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:C | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:CA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:CB | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:CG | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:H | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:HA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:HB2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:HB3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:N | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:O | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:OD1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:OD2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:C | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:CA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:CB | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:CD | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:CG | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:H | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:HA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:HB2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:HB3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:HE21 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:HE22 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:HG2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:HG3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:N | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:NE2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:O | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:OE1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:C | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:CA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:CB | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:H | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:HA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:HB2 | 4 | 1.11 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:HB3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:HG | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:N | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:O | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:OG | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:C | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:CA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:CB | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:CG | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:H | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:HA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:HB2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:HB3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:N | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:O | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:OD1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:OD2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:C | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:CA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:CB | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:CD1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:CD2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:CE1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:CE2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:CG | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:CZ | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:H | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:HA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:HB2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:HB3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:HD1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:HD2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:HE1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:HE2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:HZ | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:N | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:O | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:C | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:CA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:CB | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:CD | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:CG | 4 | 1.11 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:H | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:HA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:HB2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:HB3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:HG2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:HG3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:N | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:O | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:OE1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:OE2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:655:GLY:C | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:655:GLY:CA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:655:GLY:H | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:655:GLY:HA2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:655:GLY:HA3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:655:GLY:N | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:655:GLY:O | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:C | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:CA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:CB | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:CD1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:CD2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:CE1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:CE2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:CG | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:CZ | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:H | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:HA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:HB2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:HB3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:HD1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:HD2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:HE1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:HE2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:HZ | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:N | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:O | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:C | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:CA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:CB | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:H | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:HA | 4 | 1.11 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:HB3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:N | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:O | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:O1P | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:O2P | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:O3P | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:OG | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:P | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:C | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:CA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:CB | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:CD1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:CD2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:CE1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:CE2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:CG | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:CZ | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:H | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:HA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:HB2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:HB3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:HD1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:HD2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:HE1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:HE2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:HH | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:N | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:O | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:OH | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:659:NH2:HN1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:659:NH2:HN2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:659:NH2:N | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:648:ACE:C | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:648:ACE:CH3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:648:ACE:H1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:648:ACE:H2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:648:ACE:H3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:648:ACE:O | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:C | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:CA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:CB | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:CG | 4 | 1.11 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:H | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:HA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:HB2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:HB3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:N | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:O | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:OD1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:OD2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:C | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:CA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:CB | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:CD | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:CG | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:H | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:HA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:HB2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:HB3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:HE21 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:HE22 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:HG2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:HG3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:N | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:NE2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:O | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:OE1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:C | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:CA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:CB | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:H | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:HA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:HB2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:HB3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:HG | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:N | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:O | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:OG | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:C | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:CA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:CB | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:CG | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:H | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:HA | 4 | 1.11 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:HB2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:HB3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:N | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:O | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:OD1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:OD2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:C | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:CA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:CB | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:CD1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:CD2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:CE1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:CE2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:CG | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:CZ | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:H | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:HA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:HB2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:HB3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:HD1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:HD2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:HE1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:HE2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:HZ | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:N | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:O | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:C | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:CA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:CB | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:CD | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:CG | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:H | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:HA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:HB2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:HB3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:HG2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:HG3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:N | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:O | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:OE1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:OE2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:655:GLY:C | 4 | 1.11 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CB | 2:B:655:GLY:CA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:655:GLY:H | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:655:GLY:HA2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:655:GLY:HA3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:655:GLY:N | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:655:GLY:O | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:C | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:CA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:CB | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:CD1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:CD2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:CE1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:CE2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:CG | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:CZ | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:H | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:HA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:HB2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:HB3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:HD1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:HD2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:HE1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:HE2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:HZ | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:N | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:O | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:C | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:CA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:CB | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:H | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:HA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:HB3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:N | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:O | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:O1P | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:O2P | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:O3P | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:OG | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:P | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:C | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:CA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:CB | 4 | 1.11 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:CD1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:CD2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:CE1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:CE2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:CG | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:CZ | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:H | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:HA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:HB2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:HB3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:HD1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:HD2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:HE1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:HE2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:HH | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:N | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:O | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:OH | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:659:NH2:HN1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:659:NH2:HN2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:659:NH2:N | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:648:ACE:C | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:648:ACE:CH3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:648:ACE:H1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:648:ACE:H2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:648:ACE:H3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:648:ACE:O | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:C | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:CA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:CB | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:CG | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:H | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:HA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:HB2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:HB3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:N | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:O | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:OD1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:OD2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:C | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:CA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:CB | 4 | 1.11 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:CD | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:CG | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:H | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:HA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:HB2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:HB3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:HE21 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:HE22 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:HG2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:HG3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:N | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:NE2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:O | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:OE1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:C | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:CA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:CB | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:H | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:HA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:HB2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:HB3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:HG | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:N | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:O | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:OG | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:C | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:CA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:CB | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:CG | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:H | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:HA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:HB2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:HB3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:N | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:O | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:OD1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:OD2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:C | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:CA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:CB | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:CD1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:CD2 | 4 | 1.11 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:CE1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:CE2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:CG | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:CZ | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:H | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:HA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:HB2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:HB3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:HD1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:HD2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:HE1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:HE2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:HZ | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:N | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:O | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:C | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:CA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:CB | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:CD | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:CG | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:H | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:HA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:HB2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:HB3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:HG2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:HG3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:N | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:O | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:OE1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:OE2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:655:GLY:C | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:655:GLY:CA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:655:GLY:H | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:655:GLY:HA2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:655:GLY:HA3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:655:GLY:N | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:655:GLY:O | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:C | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:CA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:CB | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:CD1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:CD2 | 4 | 1.11 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:CE1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:CE2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:CG | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:CZ | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:H | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:HA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:HB2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:HB3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:HD1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:HD2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:HE1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:HE2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:HZ | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:N | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:O | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:C | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:CA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:CB | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:H | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:HA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:HB3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:N | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:O | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:O1P | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:O2P | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:O3P | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:OG | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:P | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:C | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:CA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:CB | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:CD1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:CD2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:CE1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:CE2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:CG | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:CZ | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:H | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:HA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:HB2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:HB3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:HD1 | 4 | 1.11 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:HD2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:HE1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:HE2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:HH | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:N | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:O | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:OH | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:659:NH2:HN1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:659:NH2:HN2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:659:NH2:N | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:648:ACE:C | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:648:ACE:CH3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:648:ACE:H1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:648:ACE:H2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:648:ACE:H3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:648:ACE:O | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:C | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:CA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:CB | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:CG | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:H | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:HA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:HB2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:HB3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:N | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:O | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:OD1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:OD2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:C | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:CA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:CB | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:CD | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:CG | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:H | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:HA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:HB2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:HB3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:HE21 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:HE22 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:HG2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:HG3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:N | 4 | 1.11 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:NE2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:O | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:OE1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:C | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:CA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:CB | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:H | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:HA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:HB2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:HB3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:HG | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:N | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:O | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:OG | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:C | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:CA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:CB | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:CG | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:H | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:HA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:HB2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:HB3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:N | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:O | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:OD1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:OD2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:C | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:CA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:CB | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:CD1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:CD2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:CE1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:CE2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:CG | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:CZ | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:H | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:HA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:HB2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:HB3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:HD1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:HD2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:HE1 | 4 | 1.11 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:HE2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:HZ | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:N | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:O | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:C | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:CA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:CB | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:CD | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:CG | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:H | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:HA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:HB2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:HB3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:HG2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:HG3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:N | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:O | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:OE1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:OE2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:655:GLY:C | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:655:GLY:CA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:655:GLY:H | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:655:GLY:HA2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:655:GLY:HA3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:655:GLY:N | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:655:GLY:O | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:C | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:CA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:CB | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:CD1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:CD2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:CE1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:CE2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:CG | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:CZ | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:H | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:HA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:HB2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:HB3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:HD1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:HD2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:HE1 | 4 | 1.11 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:HE2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:HZ | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:N | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:O | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:C | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:CA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:CB | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:H | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:HA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:HB3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:N | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:O | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:O1P | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:O2P | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:O3P | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:OG | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:P | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:C | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:CA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:CB | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:CD1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:CD2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:CE1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:CE2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:CG | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:CZ | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:H | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:HA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:HB2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:HB3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:HD1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:HD2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:HE1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:HE2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:HH | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:N | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:O | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:OH | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:659:NH2:HN1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:659:NH2:HN2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:659:NH2:N | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:648:ACE:C | 4 | 1.11 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HA | 2:B:648:ACE:CH3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:648:ACE:H1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:648:ACE:H2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:648:ACE:H3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:648:ACE:O | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:C | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:CA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:CB | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:CG | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:H | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:HA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:HB2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:HB3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:N | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:O | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:OD1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:OD2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:C | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:CA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:CB | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:CD | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:CG | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:H | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:HA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:HB2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:HB3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:HE21 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:HE22 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:HG2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:HG3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:N | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:NE2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:O | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:OE1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:C | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:CA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:CB | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:H | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:HA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:HB2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:HB3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:HG | 4 | 1.11 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:N | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:O | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:OG | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:C | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:CA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:CB | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:CG | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:H | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:HA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:HB2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:HB3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:N | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:O | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:OD1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:OD2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:C | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:CA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:CB | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:CD1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:CD2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:CE1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:CE2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:CG | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:CZ | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:H | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:HA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:HB2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:HB3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:HD1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:HD2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:HE1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:HE2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:HZ | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:N | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:O | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:C | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:CA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:CB | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:CD | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:CG | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:H | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:HA | 4 | 1.11 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:HB2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:HB3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:HG2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:HG3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:N | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:O | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:OE1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:OE2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:655:GLY:C | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:655:GLY:CA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:655:GLY:H | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:655:GLY:HA2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:655:GLY:HA3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:655:GLY:N | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:655:GLY:O | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:C | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:CA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:CB | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:CD1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:CD2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:CE1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:CE2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:CG | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:CZ | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:H | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:HA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:HB2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:HB3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:HD1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:HD2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:HE1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:HE2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:HZ | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:N | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:O | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:C | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:CA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:CB | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:H | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:HA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:HB3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:N | 4 | 1.11 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:O | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:O1P | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:O2P | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:O3P | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:OG | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:P | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:C | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:CA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:CB | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:CD1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:CD2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:CE1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:CE2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:CG | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:CZ | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:H | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:HA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:HB2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:HB3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:HD1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:HD2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:HE1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:HE2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:HH | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:N | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:O | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:OH | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:659:NH2:HN1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:659:NH2:HN2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:659:NH2:N | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:648:ACE:C | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:648:ACE:CH3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:648:ACE:H1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:648:ACE:H2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:648:ACE:H3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:648:ACE:O | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:C | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:CA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:CB | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:CG | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:H | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:HA | 4 | 1.11 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:HB2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:HB3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:N | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:O | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:OD1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:OD2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:C | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:CA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:CB | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:CD | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:CG | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:H | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:HA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:HB2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:HB3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:HE21 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:HE22 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:HG2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:HG3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:N | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:NE2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:O | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:OE1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:C | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:CA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:CB | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:H | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:HA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:HB2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:HB3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:HG | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:N | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:O | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:OG | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:C | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:CA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:CB | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:CG | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:H | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:HA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:HB2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:HB3 | 4 | 1.11 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:N | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:O | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:OD1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:OD2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:C | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:CA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:CB | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:CD1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:CD2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:CE1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:CE2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:CG | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:CZ | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:H | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:HA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:HB2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:HB3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:HD1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:HD2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:HE1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:HE2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:HZ | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:N | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:O | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:C | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:CA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:CB | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:CD | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:CG | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:H | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:HA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:HB2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:HB3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:HG2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:HG3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:N | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:O | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:OE1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:OE2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:655:GLY:C | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:655:GLY:CA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:655:GLY:H | 4 | 1.11 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HB2 | 2:B:655:GLY:HA2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:655:GLY:HA3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:655:GLY:N | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:655:GLY:O | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:C | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:CA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:CB | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:CD1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:CD2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:CE1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:CE2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:CG | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:CZ | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:H | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:HA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:HB2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:HB3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:HD1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:HD2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:HE1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:HE2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:HZ | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:N | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:O | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:C | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:CA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:CB | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:H | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:HA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:HB3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:N | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:O | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:O1P | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:O2P | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:O3P | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:OG | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:P | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:C | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:CA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:CB | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:CD1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:CD2 | 4 | 1.11 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:CE1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:CE2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:CG | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:CZ | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:H | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:HA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:HB2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:HB3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:HD1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:HD2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:HE1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:HE2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:HH | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:N | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:O | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:OH | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:659:NH2:HN1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:659:NH2:HN2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:659:NH2:N | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:648:ACE:C | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:648:ACE:CH3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:648:ACE:H1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:648:ACE:H2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:648:ACE:H3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:648:ACE:O | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:C | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:CA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:CB | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:CG | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:H | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:HA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:HB2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:HB3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:N | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:O | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:OD1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:OD2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:C | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:CA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:CB | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:CD | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:CG | 4 | 1.11 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:H | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:HA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:HB2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:HB3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:HE21 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:HE22 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:HG2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:HG3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:N | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:NE2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:O | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:OE1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:C | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:CA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:CB | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:H | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:HA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:HB2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:HB3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:HG | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:N | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:O | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:OG | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:C | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:CA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:CB | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:CG | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:H | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:HA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:HB2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:HB3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:N | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:O | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:OD1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:OD2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:C | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:CA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:CB | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:CD1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:CD2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:CE1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:CE2 | 4 | 1.11 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:CG | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:CZ | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:H | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:HA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:HB2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:HB3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:HD1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:HD2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:HE1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:HE2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:HZ | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:N | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:O | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:C | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:CA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:CB | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:CD | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:CG | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:H | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:HA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:HB2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:HB3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:HG2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:HG3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:N | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:O | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:OE1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:OE2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:655:GLY:C | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:655:GLY:CA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:655:GLY:H | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:655:GLY:HA2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:655:GLY:HA3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:655:GLY:N | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:655:GLY:O | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:C | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:CA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:CB | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:CD1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:CD2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:CE1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:CE2 | 4 | 1.11 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:CG | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:CZ | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:H | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:HA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:HB2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:HB3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:HD1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:HD2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:HE1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:HE2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:HZ | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:N | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:O | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:C | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:CA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:CB | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:H | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:HA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:HB3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:N | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:O | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:O1P | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:O2P | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:O3P | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:OG | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:P | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:C | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:CA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:CB | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:CD1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:CD2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:CE1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:CE2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:CG | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:CZ | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:H | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:HA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:HB2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:HB3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:HD1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:HD2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:HE1 | 4 | 1.11 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:HE2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:HH | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:N | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:O | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:OH | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:659:NH2:HN1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:659:NH2:HN2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:659:NH2:N | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:648:ACE:C | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:648:ACE:CH3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:648:ACE:H1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:648:ACE:H2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:648:ACE:H3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:648:ACE:O | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:C | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:CA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:CB | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:CG | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:H | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:HA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:HB2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:HB3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:N | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:O | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:OD1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:OD2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:C | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:CA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:CB | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:CD | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:CG | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:H | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:HA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:HB2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:HB3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:HE21 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:HE22 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:HG2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:HG3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:N | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:NE2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:O | 4 | 1.11 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:OE1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:C | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:CA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:CB | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:H | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:HA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:HB2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:HB3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:HG | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:N | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:O | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:OG | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:C | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:CA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:CB | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:CG | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:H | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:HA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:HB2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:HB3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:N | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:O | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:OD1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:OD2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:C | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:CA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:CB | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:CD1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:CD2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:CE1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:CE2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:CG | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:CZ | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:H | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:HA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:HB2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:HB3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:HD1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:HD2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:HE1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:HE2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:HZ | 4 | 1.11 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:N | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:O | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:C | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:CA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:CB | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:CD | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:CG | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:H | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:HA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:HB2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:HB3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:HG2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:HG3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:N | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:O | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:OE1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:OE2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:655:GLY:C | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:655:GLY:CA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:655:GLY:H | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:655:GLY:HA2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:655:GLY:HA3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:655:GLY:N | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:655:GLY:O | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:C | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:CA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:CB | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:CD1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:CD2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:CE1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:CE2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:CG | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:CZ | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:H | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:HA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:HB2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:HB3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:HD1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:HD2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:HE1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:HE2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:HZ | 4 | 1.11 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:N | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:O | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:C | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:CA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:CB | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:H | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:HA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:HB3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:N | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:O | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:O1P | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:O2P | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:O3P | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:OG | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:P | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:C | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:CA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:CB | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:CD1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:CD2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:CE1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:CE2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:CG | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:CZ | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:H | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:HA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:HB2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:HB3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:HD1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:HD2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:HE1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:HE2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:HH | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:N | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:O | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:OH | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:659:NH2:HN1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:659:NH2:HN2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:659:NH2:N | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:648:ACE:C | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:648:ACE:CH3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:648:ACE:H1 | 4 | 1.11 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HD22 | 2:B:648:ACE:H2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:648:ACE:H3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:648:ACE:O | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:C | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:CA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:CB | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:CG | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:H | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:HA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:HB2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:HB3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:N | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:O | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:OD1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:OD2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:C | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:CA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:CB | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:CD | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:CG | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:H | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:HA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:HB2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:HB3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:HE21 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:HE22 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:HG2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:HG3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:N | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:NE2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:O | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:OE1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:C | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:CA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:CB | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:H | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:HA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:HB2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:HB3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:HG | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:N | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:O | 4 | 1.11 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:OG | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:C | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:CA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:CB | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:CG | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:H | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:HA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:HB2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:HB3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:N | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:O | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:OD1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:OD2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:C | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:CA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:CB | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:CD1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:CD2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:CE1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:CE2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:CG | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:CZ | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:H | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:HA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:HB2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:HB3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:HD1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:HD2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:HE1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:HE2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:HZ | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:N | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:O | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:C | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:CA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:CB | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:CD | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:CG | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:H | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:HA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:HB2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:HB3 | 4 | 1.11 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:HG2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:HG3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:N | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:O | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:OE1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:OE2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:655:GLY:C | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:655:GLY:CA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:655:GLY:H | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:655:GLY:HA2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:655:GLY:HA3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:655:GLY:N | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:655:GLY:O | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:C | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:CA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:CB | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:CD1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:CD2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:CE1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:CE2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:CG | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:CZ | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:H | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:HA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:HB2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:HB3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:HD1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:HD2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:HE1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:HE2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:HZ | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:N | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:O | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:C | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:CA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:CB | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:H | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:HA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:HB3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:N | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:O | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:O1P | 4 | 1.11 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:O2P | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:O3P | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:OG | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:P | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:C | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:CA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:CB | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:CD1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:CD2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:CE1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:CE2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:CG | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:CZ | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:H | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:HA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:HB2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:HB3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:HD1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:HD2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:HE1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:HE2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:HH | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:N | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:O | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:OH | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:659:NH2:HN1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:659:NH2:HN2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:659:NH2:N | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:648:ACE:C | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:648:ACE:CH3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:648:ACE:H1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:648:ACE:H2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:648:ACE:H3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:648:ACE:O | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:C | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:CA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:CB | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:CG | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:H | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:HA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:HB2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:HB3 | 4 | 1.11 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:N | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:O | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:OD1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:OD2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:C | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:CA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:CB | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:CD | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:CG | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:H | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:HA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:HB2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:HB3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:HE21 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:HE22 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:HG2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:HG3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:N | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:NE2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:O | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:OE1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:C | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:CA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:CB | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:H | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:HA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:HB2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:HB3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:HG | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:N | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:O | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:OG | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:C | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:CA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:CB | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:CG | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:H | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:HA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:HB2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:HB3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:N | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:O | 4 | 1.11 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:OD1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:OD2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:C | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:CA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:CB | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:CD1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:CD2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:CE1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:CE2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:CG | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:CZ | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:H | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:HA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:HB2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:HB3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:HD1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:HD2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:HE1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:HE2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:HZ | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:N | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:O | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:C | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:CA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:CB | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:CD | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:CG | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:H | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:HA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:HB2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:HB3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:HG2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:HG3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:N | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:O | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:OE1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:OE2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:655:GLY:C | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:655:GLY:CA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:655:GLY:H | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:655:GLY:HA2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:655:GLY:HA3 | 4 | 1.11 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:N | 2:B:655:GLY:N | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:655:GLY:O | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:C | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:CA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:CB | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:CD1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:CD2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:CE1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:CE2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:CG | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:CZ | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:H | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:HA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:HB2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:HB3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:HD1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:HD2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:HE1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:HE2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:HZ | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:N | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:O | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:C | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:CA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:CB | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:H | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:HA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:HB3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:N | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:O | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:O1P | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:O2P | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:O3P | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:OG | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:P | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:C | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:CA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:CB | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:CD1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:CD2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:CE1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:CE2 | 4 | 1.11 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:CG | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:CZ | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:H | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:HA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:HB2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:HB3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:HD1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:HD2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:HE1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:HE2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:HH | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:N | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:O | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:OH | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:659:NH2:HN1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:659:NH2:HN2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:659:NH2:N | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:648:ACE:C | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:648:ACE:CH3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:648:ACE:H1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:648:ACE:H2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:648:ACE:H3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:648:ACE:O | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:C | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:CA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:CB | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:CG | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:H | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:HA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:HB2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:HB3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:N | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:O | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:OD1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:OD2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:C | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:CA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:CB | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:CD | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:CG | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:H | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:HA | 4 | 1.11 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:HB2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:HB3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:HE21 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:HE22 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:HG2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:HG3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:N | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:NE2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:O | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:OE1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:C | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:CA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:CB | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:H | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:HA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:HB2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:HB3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:HG | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:N | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:O | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:OG | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:C | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:CA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:CB | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:CG | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:H | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:HA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:HB2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:HB3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:N | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:O | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:OD1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:OD2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:C | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:CA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:CB | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:CD1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:CD2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:CE1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:CE2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:CG | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:CZ | 4 | 1.11 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:H | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:HA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:HB2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:HB3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:HD1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:HD2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:HE1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:HE2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:HZ | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:N | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:O | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:C | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:CA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:CB | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:CD | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:CG | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:H | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:HA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:HB2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:HB3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:HG2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:HG3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:N | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:O | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:OE1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:OE2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:655:GLY:C | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:655:GLY:CA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:655:GLY:H | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:655:GLY:HA2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:655:GLY:HA3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:655:GLY:N | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:655:GLY:O | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:C | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:CA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:CB | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:CD1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:CD2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:CE1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:CE2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:CG | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:CZ | 4 | 1.11 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:H | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:HA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:HB2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:HB3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:HD1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:HD2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:HE1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:HE2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:HZ | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:N | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:O | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:C | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:CA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:CB | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:H | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:HA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:HB3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:N | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:O | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:O1P | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:O2P | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:O3P | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:OG | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:P | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:C | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:CA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:CB | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:CD1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:CD2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:CE1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:CE2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:CG | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:CZ | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:H | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:HA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:HB2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:HB3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:HD1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:HD2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:HE1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:HE2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:HH | 4 | 1.11 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:N | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:O | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:OH | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:659:NH2:HN1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:659:NH2:HN2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:659:NH2:N | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:648:ACE:C | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:648:ACE:CH3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:648:ACE:H1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:648:ACE:H2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:648:ACE:H3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:648:ACE:O | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:C | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:CA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:CB | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:CG | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:H | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:HA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:HB2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:HB3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:N | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:O | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:OD1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:OD2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:C | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:CA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:CB | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:CD | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:CG | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:H | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:HA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:HB2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:HB3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:HE21 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:HE22 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:HG2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:HG3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:N | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:NE2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:O | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:OE1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:C | 4 | 1.11 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:CA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:CB | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:H | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:HA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:HB2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:HB3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:HG | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:N | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:O | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:OG | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:C | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:CA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:CB | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:CG | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:H | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:HA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:HB2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:HB3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:N | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:O | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:OD1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:OD2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:C | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:CA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:CB | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:CD1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:CD2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:CE1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:CE2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:CG | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:CZ | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:H | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:HA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:HB2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:HB3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:HD1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:HD2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:HE1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:HE2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:HZ | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:N | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:O | 4 | 1.11 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:C | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:CA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:CB | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:CD | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:CG | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:H | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:HA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:HB2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:HB3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:HG2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:HG3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:N | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:O | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:OE1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:OE2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:655:GLY:C | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:655:GLY:CA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:655:GLY:H | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:655:GLY:HA2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:655:GLY:HA3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:655:GLY:N | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:655:GLY:O | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:C | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:CA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:CB | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:CD1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:CD2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:CE1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:CE2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:CG | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:CZ | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:H | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:HA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:HB2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:HB3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:HD1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:HD2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:HE1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:HE2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:HZ | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:N | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:O | 4 | 1.11 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:C | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:CA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:CB | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:H | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:HA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:HB3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:N | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:O | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:O1P | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:O2P | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:O3P | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:OG | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:P | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:C | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:CA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:CB | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:CD1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:CD2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:CE1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:CE2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:CG | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:CZ | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:H | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:HA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:HB2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:HB3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:HD1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:HD2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:HE1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:HE2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:HH | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:N | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:O | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:OH | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:659:NH2:HN1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:659:NH2:HN2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:659:NH2:N | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:648:ACE:C | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:648:ACE:CH3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:648:ACE:H1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:648:ACE:H2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:648:ACE:H3 | 4 | 1.11 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:OD1 | 2:B:648:ACE:O | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:C | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:CA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:CB | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:CG | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:H | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:HA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:HB2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:HB3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:N | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:O | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:OD1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:OD2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:C | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:CA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:CB | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:CD | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:CG | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:H | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:HA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:HB2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:HB3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:HE21 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:HE22 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:HG2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:HG3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:N | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:NE2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:O | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:OE1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:C | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:CA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:CB | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:H | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:HA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:HB2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:HB3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:HG | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:N | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:O | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:OG | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:C | 4 | 1.11 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:CA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:CB | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:CG | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:H | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:HA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:HB2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:HB3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:N | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:O | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:OD1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:OD2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:C | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:CA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:CB | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:CD1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:CD2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:CE1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:CE2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:CG | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:CZ | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:H | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:HA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:HB2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:HB3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:HD1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:HD2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:HE1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:HE2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:HZ | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:N | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:O | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:C | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:CA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:CB | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:CD | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:CG | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:H | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:HA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:HB2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:HB3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:HG2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:HG3 | 4 | 1.11 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:N | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:O | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:OE1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:OE2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:655:GLY:C | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:655:GLY:CA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:655:GLY:H | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:655:GLY:HA2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:655:GLY:HA3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:655:GLY:N | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:655:GLY:O | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:C | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:CA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:CB | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:CD1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:CD2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:CE1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:CE2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:CG | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:CZ | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:H | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:HA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:HB2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:HB3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:HD1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:HD2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:HE1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:HE2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:HZ | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:N | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:O | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:C | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:CA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:CB | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:H | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:HA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:HB3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:N | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:O | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:O1P | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:O2P | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:O3P | 4 | 1.11 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:OG | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:P | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:C | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:CA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:CB | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:CD1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:CD2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:CE1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:CE2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:CG | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:CZ | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:H | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:HA | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:HB2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:HB3 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:HD1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:HD2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:HE1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:HE2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:HH | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:N | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:O | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:OH | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:659:NH2:HN1 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:659:NH2:HN2 | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:659:NH2:N | 4 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:648:ACE:C | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:648:ACE:CH3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:648:ACE:H1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:648:ACE:H2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:648:ACE:H3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:648:ACE:O | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:C | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:CA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:CB | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:CG | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:H | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:HA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:HB2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:HB3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:N | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:O | 14 | 1.11 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:OD1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:OD2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:C | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:CA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:CB | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:CD | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:CG | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:H | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:HA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:HB2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:HB3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:HE21 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:HE22 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:HG2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:HG3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:N | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:NE2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:O | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:OE1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:C | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:CA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:CB | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:H | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:HA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:HB2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:HB3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:HG | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:N | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:O | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:OG | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:C | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:CA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:CB | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:CG | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:H | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:HA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:HB2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:HB3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:N | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:O | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:OD1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:OD2 | 14 | 1.11 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:C | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:CA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:CB | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:CD1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:CD2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:CE1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:CE2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:CG | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:CZ | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:H | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:HA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:HB2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:HB3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:HD1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:HD2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:HE1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:HE2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:HZ | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:N | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:O | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:C | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:CA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:CB | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:CD | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:CG | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:H | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:HA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:HB2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:HB3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:HG2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:HG3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:N | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:O | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:OE1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:OE2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:655:GLY:C | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:655:GLY:CA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:655:GLY:H | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:655:GLY:HA2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:655:GLY:HA3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:655:GLY:N | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:655:GLY:O | 14 | 1.11 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:C | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:CA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:CB | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:CD1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:CD2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:CE1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:CE2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:CG | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:CZ | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:H | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:HA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:HB2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:HB3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:HD1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:HD2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:HE1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:HE2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:HZ | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:N | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:O | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:C | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:CA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:CB | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:H | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:HA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:HB3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:N | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:O | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:O1P | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:O2P | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:O3P | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:OG | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:P | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:C | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:CA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:CB | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:CD1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:CD2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:CE1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:CE2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:CG | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:CZ | 14 | 1.11 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:H | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:HA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:HB2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:HB3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:HD1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:HD2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:HE1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:HE2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:HH | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:N | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:O | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:OH | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:659:NH2:HN1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:659:NH2:HN2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:659:NH2:N | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:648:ACE:C | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:648:ACE:CH3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:648:ACE:H1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:648:ACE:H2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:648:ACE:H3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:648:ACE:O | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:C | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:CA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:CB | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:CG | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:H | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:HA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:HB2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:HB3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:N | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:O | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:OD1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:OD2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:C | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:CA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:CB | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:CD | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:CG | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:H | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:HA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:HB2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:HB3 | 14 | 1.11 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:HE21 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:HE22 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:HG2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:HG3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:N | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:NE2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:O | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:OE1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:C | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:CA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:CB | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:H | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:HA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:HB2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:HB3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:HG | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:N | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:O | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:OG | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:C | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:CA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:CB | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:CG | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:H | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:HA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:HB2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:HB3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:N | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:O | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:OD1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:OD2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:C | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:CA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:CB | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:CD1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:CD2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:CE1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:CE2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:CG | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:CZ | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:H | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:HA | 14 | 1.11 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:HB2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:HB3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:HD1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:HD2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:HE1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:HE2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:HZ | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:N | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:O | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:C | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:CA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:CB | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:CD | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:CG | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:H | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:HA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:HB2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:HB3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:HG2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:HG3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:N | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:O | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:OE1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:OE2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:655:GLY:C | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:655:GLY:CA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:655:GLY:H | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:655:GLY:HA2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:655:GLY:HA3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:655:GLY:N | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:655:GLY:O | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:C | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:CA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:CB | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:CD1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:CD2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:CE1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:CE2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:CG | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:CZ | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:H | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:HA | 14 | 1.11 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:HB2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:HB3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:HD1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:HD2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:HE1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:HE2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:HZ | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:N | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:O | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:C | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:CA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:CB | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:H | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:HA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:HB3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:N | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:O | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:O1P | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:O2P | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:O3P | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:OG | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:P | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:C | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:CA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:CB | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:CD1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:CD2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:CE1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:CE2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:CG | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:CZ | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:H | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:HA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:HB2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:HB3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:HD1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:HD2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:HE1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:HE2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:HH | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:N | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:O | 14 | 1.11 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:OH | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:659:NH2:HN1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:659:NH2:HN2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CA | 2:B:659:NH2:N | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:648:ACE:C | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:648:ACE:CH3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:648:ACE:H1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:648:ACE:H2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:648:ACE:H3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:648:ACE:O | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:C | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:CA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:CB | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:CG | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:H | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:HA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:HB2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:HB3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:N | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:O | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:OD1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:OD2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:C | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:CA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:CB | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:CD | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:CG | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:H | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:HA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:HB2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:HB3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:HE21 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:HE22 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:HG2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:HG3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:N | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:NE2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:O | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:OE1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:C | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:CA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:CB | 14 | 1.11 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:H | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:HA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:HB2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:HB3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:HG | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:N | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:O | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:OG | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:C | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:CA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:CB | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:CG | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:H | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:HA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:HB2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:HB3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:N | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:O | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:OD1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:OD2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:C | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:CA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:CB | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:CD1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:CD2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:CE1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:CE2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:CG | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:CZ | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:H | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:HA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:HB2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:HB3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:HD1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:HD2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:HE1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:HE2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:HZ | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:N | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:O | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:C | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:CA | 14 | 1.11 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:CB | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:CD | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:CG | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:H | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:HA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:HB2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:HB3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:HG2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:HG3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:N | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:O | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:OE1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:OE2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:655:GLY:C | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:655:GLY:CA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:655:GLY:H | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:655:GLY:HA2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:655:GLY:HA3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:655:GLY:N | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:655:GLY:O | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:C | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:CA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:CB | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:CD1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:CD2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:CE1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:CE2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:CG | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:CZ | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:H | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:HA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:HB2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:HB3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:HD1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:HD2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:HE1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:HE2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:HZ | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:N | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:O | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:C | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:CA | 14 | 1.11 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:CB | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:H | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:HA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:HB3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:N | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:O | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:O1P | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:O2P | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:O3P | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:OG | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:P | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:C | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:CA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:CB | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:CD1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:CD2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:CE1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:CE2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:CG | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:CZ | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:H | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:HA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:HB2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:HB3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:HD1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:HD2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:HE1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:HE2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:HH | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:N | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:O | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:OH | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:659:NH2:HN1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:659:NH2:HN2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CB | 2:B:659:NH2:N | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:648:ACE:C | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:648:ACE:CH3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:648:ACE:H1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:648:ACE:H2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:648:ACE:H3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:648:ACE:O | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:C | 14 | 1.11 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:CA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:CB | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:CG | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:H | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:HA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:HB2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:HB3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:N | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:O | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:OD1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:OD2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:C | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:CA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:CB | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:CD | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:CG | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:H | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:HA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:HB2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:HB3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:HE21 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:HE22 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:HG2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:HG3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:N | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:NE2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:O | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:OE1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:C | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:CA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:CB | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:H | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:HA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:HB2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:HB3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:HG | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:N | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:O | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:OG | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:C | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:CA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:CB | 14 | 1.11 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:CG | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:H | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:HA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:HB2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:HB3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:N | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:O | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:OD1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:OD2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:C | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:CA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:CB | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:CD1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:CD2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:CE1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:CE2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:CG | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:CZ | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:H | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:HA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:HB2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:HB3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:HD1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:HD2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:HE1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:HE2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:HZ | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:N | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:O | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:C | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:CA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:CB | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:CD | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:CG | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:H | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:HA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:HB2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:HB3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:HG2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:HG3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:N | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:O | 14 | 1.11 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:OE1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:OE2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:655:GLY:C | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:655:GLY:CA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:655:GLY:H | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:655:GLY:HA2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:655:GLY:HA3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:655:GLY:N | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:655:GLY:O | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:C | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:CA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:CB | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:CD1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:CD2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:CE1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:CE2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:CG | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:CZ | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:H | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:HA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:HB2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:HB3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:HD1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:HD2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:HE1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:HE2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:HZ | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:N | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:O | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:C | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:CA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:CB | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:H | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:HA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:HB3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:N | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:O | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:O1P | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:O2P | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:O3P | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:OG | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:P | 14 | 1.11 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:C | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:CA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:CB | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:CD1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:CD2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:CE1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:CE2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:CG | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:CZ | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:H | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:HA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:HB2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:HB3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:HD1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:HD2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:HE1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:HE2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:HH | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:N | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:O | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:OH | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:659:NH2:HN1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:659:NH2:HN2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:CG | 2:B:659:NH2:N | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:648:ACE:C | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:648:ACE:CH3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:648:ACE:H1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:648:ACE:H2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:648:ACE:H3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:648:ACE:O | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:C | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:CA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:CB | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:CG | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:H | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:HA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:HB2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:HB3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:N | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:O | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:OD1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:OD2 | 14 | 1.11 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:C | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:CA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:CB | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:CD | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:CG | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:H | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:HA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:HB2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:HB3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:HE21 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:HE22 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:HG2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:HG3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:N | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:NE2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:O | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:OE1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:C | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:CA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:CB | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:H | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:HA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:HB2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:HB3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:HG | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:N | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:O | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:OG | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:C | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:CA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:CB | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:CG | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:H | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:HA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:HB2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:HB3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:N | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:O | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:OD1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:OD2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:C | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:CA | 14 | 1.11 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:CB | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:CD1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:CD2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:CE1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:CE2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:CG | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:CZ | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:H | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:HA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:HB2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:HB3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:HD1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:HD2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:HE1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:HE2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:HZ | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:N | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:O | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:C | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:CA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:CB | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:CD | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:CG | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:H | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:HA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:HB2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:HB3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:HG2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:HG3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:N | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:O | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:OE1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:OE2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:655:GLY:C | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:655:GLY:CA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:655:GLY:H | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:655:GLY:HA2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:655:GLY:HA3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:655:GLY:N | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:655:GLY:O | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:C | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:CA | 14 | 1.11 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:CB | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:CD1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:CD2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:CE1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:CE2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:CG | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:CZ | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:H | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:HA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:HB2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:HB3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:HD1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:HD2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:HE1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:HE2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:HZ | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:N | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:O | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:C | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:CA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:CB | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:H | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:HA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:HB3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:N | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:O | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:O1P | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:O2P | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:O3P | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:OG | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:P | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:C | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:CA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:CB | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:CD1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:CD2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:CE1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:CE2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:CG | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:CZ | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:H | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:HA | 14 | 1.11 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:HB2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:HB3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:HD1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:HD2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:HE1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:HE2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:HH | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:N | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:O | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:OH | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:659:NH2:HN1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:659:NH2:HN2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:H | 2:B:659:NH2:N | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:648:ACE:C | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:648:ACE:CH3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:648:ACE:H1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:648:ACE:H2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:648:ACE:H3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:648:ACE:O | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:C | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:CA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:CB | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:CG | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:H | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:HA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:HB2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:HB3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:N | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:O | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:OD1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:OD2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:C | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:CA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:CB | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:CD | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:CG | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:H | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:HA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:HB2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:HB3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:HE21 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:HE22 | 14 | 1.11 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:HG2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:HG3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:N | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:NE2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:O | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:OE1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:C | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:CA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:CB | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:H | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:HA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:HB2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:HB3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:HG | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:N | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:O | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:OG | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:C | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:CA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:CB | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:CG | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:H | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:HA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:HB2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:HB3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:N | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:O | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:OD1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:OD2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:C | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:CA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:CB | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:CD1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:CD2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:CE1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:CE2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:CG | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:CZ | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:H | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:HA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:HB2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:HB3 | 14 | 1.11 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:HD1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:HD2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:HE1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:HE2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:HZ | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:N | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:O | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:C | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:CA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:CB | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:CD | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:CG | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:H | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:HA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:HB2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:HB3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:HG2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:HG3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:N | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:O | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:OE1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:OE2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:655:GLY:C | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:655:GLY:CA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:655:GLY:H | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:655:GLY:HA2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:655:GLY:HA3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:655:GLY:N | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:655:GLY:O | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:C | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:CA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:CB | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:CD1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:CD2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:CE1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:CE2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:CG | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:CZ | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:H | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:HA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:HB2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:HB3 | 14 | 1.11 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:HD1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:HD2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:HE1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:HE2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:HZ | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:N | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:O | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:C | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:CA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:CB | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:H | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:HA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:HB3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:N | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:O | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:O1P | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:O2P | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:O3P | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:OG | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:P | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:C | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:CA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:CB | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:CD1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:CD2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:CE1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:CE2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:CG | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:CZ | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:H | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:HA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:HB2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:HB3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:HD1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:HD2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:HE1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:HE2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:HH | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:N | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:O | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:OH | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:659:NH2:HN1 | 14 | 1.11 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HA | 2:B:659:NH2:HN2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HA | 2:B:659:NH2:N | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:648:ACE:C | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:648:ACE:CH3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:648:ACE:H1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:648:ACE:H2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:648:ACE:H3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:648:ACE:O | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:C | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:CA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:CB | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:CG | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:H | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:HA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:HB2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:HB3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:N | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:O | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:OD1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:OD2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:C | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:CA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:CB | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:CD | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:CG | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:H | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:HA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:HB2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:HB3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:HE21 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:HE22 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:HG2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:HG3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:N | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:NE2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:O | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:OE1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:C | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:CA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:CB | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:H | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:HA | 14 | 1.11 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:HB2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:HB3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:HG | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:N | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:O | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:OG | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:C | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:CA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:CB | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:CG | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:H | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:HA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:HB2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:HB3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:N | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:O | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:OD1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:OD2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:C | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:CA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:CB | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:CD1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:CD2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:CE1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:CE2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:CG | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:CZ | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:H | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:HA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:HB2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:HB3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:HD1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:HD2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:HE1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:HE2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:HZ | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:N | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:O | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:C | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:CA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:CB | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:CD | 14 | 1.11 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:CG | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:H | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:HA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:HB2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:HB3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:HG2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:HG3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:N | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:O | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:OE1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:OE2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:655:GLY:C | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:655:GLY:CA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:655:GLY:H | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:655:GLY:HA2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:655:GLY:HA3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:655:GLY:N | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:655:GLY:O | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:C | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:CA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:CB | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:CD1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:CD2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:CE1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:CE2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:CG | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:CZ | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:H | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:HA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:HB2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:HB3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:HD1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:HD2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:HE1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:HE2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:HZ | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:N | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:O | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:C | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:CA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:CB | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:H | 14 | 1.11 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:HA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:HB3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:N | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:O | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:O1P | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:O2P | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:O3P | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:OG | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:P | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:C | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:CA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:CB | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:CD1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:CD2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:CE1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:CE2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:CG | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:CZ | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:H | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:HA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:HB2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:HB3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:HD1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:HD2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:HE1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:HE2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:HH | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:N | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:O | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:OH | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:659:NH2:HN1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:659:NH2:HN2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:659:NH2:N | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:648:ACE:C | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:648:ACE:CH3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:648:ACE:H1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:648:ACE:H2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:648:ACE:H3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:648:ACE:O | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:C | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:CA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:CB | 14 | 1.11 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:CG | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:H | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:HA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:HB2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:HB3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:N | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:O | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:OD1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:OD2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:C | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:CA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:CB | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:CD | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:CG | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:H | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:HA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:HB2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:HB3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:HE21 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:HE22 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:HG2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:HG3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:N | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:NE2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:O | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:OE1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:C | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:CA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:CB | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:H | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:HA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:HB2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:HB3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:HG | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:N | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:O | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:OG | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:C | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:CA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:CB | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:CG | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:H | 14 | 1.11 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:HA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:HB2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:HB3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:N | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:O | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:OD1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:OD2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:C | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:CA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:CB | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:CD1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:CD2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:CE1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:CE2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:CG | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:CZ | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:H | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:HA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:HB2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:HB3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:HD1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:HD2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:HE1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:HE2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:HZ | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:N | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:O | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:C | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:CA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:CB | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:CD | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:CG | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:H | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:HA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:HB2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:HB3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:HG2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:HG3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:N | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:O | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:OE1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:OE2 | 14 | 1.11 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HB3 | 2:B:655:GLY:C | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:655:GLY:CA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:655:GLY:H | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:655:GLY:HA2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:655:GLY:HA3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:655:GLY:N | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:655:GLY:O | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:C | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:CA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:CB | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:CD1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:CD2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:CE1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:CE2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:CG | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:CZ | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:H | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:HA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:HB2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:HB3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:HD1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:HD2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:HE1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:HE2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:HZ | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:N | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:O | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:C | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:CA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:CB | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:H | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:HA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:HB3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:N | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:O | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:O1P | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:O2P | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:O3P | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:OG | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:P | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:C | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:CA | 14 | 1.11 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:CB | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:CD1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:CD2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:CE1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:CE2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:CG | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:CZ | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:H | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:HA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:HB2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:HB3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:HD1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:HD2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:HE1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:HE2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:HH | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:N | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:O | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:OH | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:659:NH2:HN1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:659:NH2:HN2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:659:NH2:N | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:648:ACE:C | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:648:ACE:CH3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:648:ACE:H1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:648:ACE:H2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:648:ACE:H3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:648:ACE:O | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:C | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:CA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:CB | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:CG | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:H | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:HA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:HB2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:HB3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:N | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:O | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:OD1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:OD2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:C | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:CA | 14 | 1.11 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:CB | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:CD | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:CG | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:H | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:HA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:HB2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:HB3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:HE21 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:HE22 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:HG2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:HG3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:N | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:NE2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:O | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:OE1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:C | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:CA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:CB | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:H | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:HA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:HB2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:HB3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:HG | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:N | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:O | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:OG | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:C | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:CA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:CB | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:CG | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:H | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:HA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:HB2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:HB3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:N | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:O | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:OD1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:OD2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:C | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:CA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:CB | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:CD1 | 14 | 1.11 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:CD2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:CE1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:CE2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:CG | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:CZ | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:H | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:HA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:HB2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:HB3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:HD1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:HD2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:HE1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:HE2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:HZ | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:N | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:O | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:C | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:CA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:CB | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:CD | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:CG | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:H | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:HA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:HB2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:HB3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:HG2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:HG3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:N | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:O | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:OE1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:OE2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:655:GLY:C | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:655:GLY:CA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:655:GLY:H | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:655:GLY:HA2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:655:GLY:HA3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:655:GLY:N | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:655:GLY:O | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:C | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:CA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:CB | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:CD1 | 14 | 1.11 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:CD2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:CE1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:CE2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:CG | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:CZ | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:H | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:HA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:HB2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:HB3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:HD1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:HD2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:HE1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:HE2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:HZ | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:N | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:O | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:C | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:CA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:CB | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:H | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:HA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:HB3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:N | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:O | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:O1P | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:O2P | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:O3P | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:OG | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:P | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:C | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:CA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:CB | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:CD1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:CD2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:CE1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:CE2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:CG | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:CZ | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:H | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:HA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:HB2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:HB3 | 14 | 1.11 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:HD1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:HD2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:HE1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:HE2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:HH | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:N | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:O | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:OH | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:659:NH2:HN1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:659:NH2:HN2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:659:NH2:N | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:648:ACE:C | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:648:ACE:CH3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:648:ACE:H1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:648:ACE:H2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:648:ACE:H3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:648:ACE:O | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:C | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:CA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:CB | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:CG | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:H | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:HA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:HB2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:HB3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:N | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:O | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:OD1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:OD2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:C | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:CA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:CB | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:CD | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:CG | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:H | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:HA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:HB2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:HB3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:HE21 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:HE22 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:HG2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:HG3 | 14 | 1.11 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:N | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:NE2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:O | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:OE1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:C | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:CA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:CB | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:H | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:HA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:HB2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:HB3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:HG | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:N | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:O | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:OG | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:C | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:CA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:CB | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:CG | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:H | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:HA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:HB2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:HB3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:N | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:O | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:OD1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:OD2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:C | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:CA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:CB | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:CD1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:CD2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:CE1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:CE2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:CG | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:CZ | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:H | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:HA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:HB2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:HB3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:HD1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:HD2 | 14 | 1.11 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:HE1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:HE2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:HZ | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:N | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:O | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:C | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:CA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:CB | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:CD | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:CG | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:H | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:HA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:HB2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:HB3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:HG2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:HG3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:N | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:O | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:OE1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:OE2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:655:GLY:C | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:655:GLY:CA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:655:GLY:H | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:655:GLY:HA2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:655:GLY:HA3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:655:GLY:N | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:655:GLY:O | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:C | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:CA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:CB | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:CD1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:CD2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:CE1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:CE2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:CG | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:CZ | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:H | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:HA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:HB2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:HB3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:HD1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:HD2 | 14 | 1.11 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:HE1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:HE2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:HZ | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:N | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:O | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:C | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:CA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:CB | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:H | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:HA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:HB3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:N | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:O | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:O1P | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:O2P | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:O3P | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:OG | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:P | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:C | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:CA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:CB | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:CD1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:CD2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:CE1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:CE2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:CG | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:CZ | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:H | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:HA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:HB2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:HB3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:HD1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:HD2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:HE1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:HE2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:HH | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:N | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:O | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:OH | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:659:NH2:HN1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:659:NH2:HN2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:659:NH2:N | 14 | 1.11 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:N | 2:B:648:ACE:C | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:648:ACE:CH3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:648:ACE:H1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:648:ACE:H2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:648:ACE:H3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:648:ACE:O | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:C | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:CA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:CB | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:CG | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:H | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:HA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:HB2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:HB3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:N | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:O | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:OD1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:OD2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:C | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:CA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:CB | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:CD | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:CG | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:H | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:HA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:HB2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:HB3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:HE21 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:HE22 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:HG2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:HG3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:N | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:NE2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:O | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:OE1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:C | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:CA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:CB | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:H | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:HA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:HB2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:HB3 | 14 | 1.11 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:HG | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:N | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:O | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:OG | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:C | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:CA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:CB | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:CG | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:H | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:HA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:HB2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:HB3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:N | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:O | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:OD1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:OD2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:C | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:CA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:CB | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:CD1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:CD2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:CE1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:CE2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:CG | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:CZ | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:H | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:HA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:HB2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:HB3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:HD1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:HD2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:HE1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:HE2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:HZ | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:N | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:O | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:C | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:CA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:CB | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:CD | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:CG | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:H | 14 | 1.11 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:HA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:HB2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:HB3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:HG2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:HG3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:N | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:O | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:OE1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:OE2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:655:GLY:C | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:655:GLY:CA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:655:GLY:H | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:655:GLY:HA2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:655:GLY:HA3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:655:GLY:N | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:655:GLY:O | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:C | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:CA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:CB | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:CD1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:CD2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:CE1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:CE2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:CG | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:CZ | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:H | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:HA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:HB2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:HB3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:HD1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:HD2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:HE1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:HE2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:HZ | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:N | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:O | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:C | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:CA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:CB | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:H | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:HA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:HB3 | 14 | 1.11 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:N | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:O | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:O1P | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:O2P | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:O3P | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:OG | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:P | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:C | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:CA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:CB | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:CD1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:CD2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:CE1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:CE2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:CG | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:CZ | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:H | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:HA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:HB2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:HB3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:HD1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:HD2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:HE1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:HE2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:HH | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:N | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:O | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:OH | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:659:NH2:HN1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:659:NH2:HN2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:N | 2:B:659:NH2:N | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:648:ACE:C | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:648:ACE:CH3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:648:ACE:H1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:648:ACE:H2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:648:ACE:H3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:648:ACE:O | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:C | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:CA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:CB | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:CG | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:H | 14 | 1.11 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:HA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:HB2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:HB3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:N | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:O | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:OD1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:OD2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:C | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:CA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:CB | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:CD | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:CG | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:H | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:HA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:HB2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:HB3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:HE21 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:HE22 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:HG2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:HG3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:N | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:NE2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:O | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:OE1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:C | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:CA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:CB | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:H | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:HA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:HB2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:HB3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:HG | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:N | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:O | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:OG | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:C | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:CA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:CB | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:CG | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:H | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:HA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:HB2 | 14 | 1.11 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:HB3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:N | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:O | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:OD1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:OD2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:C | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:CA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:CB | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:CD1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:CD2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:CE1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:CE2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:CG | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:CZ | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:H | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:HA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:HB2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:HB3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:HD1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:HD2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:HE1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:HE2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:HZ | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:N | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:O | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:C | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:CA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:CB | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:CD | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:CG | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:H | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:HA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:HB2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:HB3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:HG2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:HG3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:N | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:O | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:OE1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:OE2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:655:GLY:C | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:655:GLY:CA | 14 | 1.11 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:ND2 | 2:B:655:GLY:H | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:655:GLY:HA2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:655:GLY:HA3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:655:GLY:N | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:655:GLY:O | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:C | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:CA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:CB | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:CD1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:CD2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:CE1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:CE2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:CG | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:CZ | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:H | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:HA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:HB2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:HB3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:HD1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:HD2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:HE1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:HE2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:HZ | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:N | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:O | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:C | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:CA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:CB | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:H | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:HA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:HB3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:N | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:O | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:O1P | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:O2P | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:O3P | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:OG | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:P | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:C | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:CA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:CB | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:CD1 | 14 | 1.11 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:CD2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:CE1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:CE2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:CG | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:CZ | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:H | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:HA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:HB2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:HB3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:HD1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:HD2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:HE1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:HE2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:HH | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:N | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:O | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:OH | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:659:NH2:HN1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:659:NH2:HN2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:659:NH2:N | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:648:ACE:C | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:648:ACE:CH3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:648:ACE:H1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:648:ACE:H2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:648:ACE:H3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:648:ACE:O | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:C | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:CA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:CB | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:CG | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:H | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:HA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:HB2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:HB3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:N | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:O | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:OD1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:OD2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:C | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:CA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:CB | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:CD | 14 | 1.11 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:CG | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:H | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:HA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:HB2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:HB3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:HE21 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:HE22 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:HG2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:HG3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:N | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:NE2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:O | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:OE1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:C | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:CA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:CB | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:H | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:HA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:HB2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:HB3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:HG | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:N | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:O | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:OG | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:C | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:CA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:CB | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:CG | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:H | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:HA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:HB2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:HB3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:N | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:O | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:OD1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:OD2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:C | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:CA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:CB | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:CD1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:CD2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:CE1 | 14 | 1.11 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:CE2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:CG | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:CZ | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:H | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:HA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:HB2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:HB3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:HD1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:HD2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:HE1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:HE2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:HZ | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:N | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:O | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:C | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:CA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:CB | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:CD | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:CG | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:H | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:HA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:HB2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:HB3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:HG2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:HG3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:N | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:O | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:OE1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:OE2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:655:GLY:C | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:655:GLY:CA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:655:GLY:H | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:655:GLY:HA2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:655:GLY:HA3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:655:GLY:N | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:655:GLY:O | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:C | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:CA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:CB | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:CD1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:CD2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:CE1 | 14 | 1.11 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:CE2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:CG | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:CZ | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:H | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:HA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:HB2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:HB3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:HD1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:HD2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:HE1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:HE2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:HZ | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:N | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:O | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:C | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:CA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:CB | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:H | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:HA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:HB3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:N | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:O | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:O1P | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:O2P | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:O3P | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:OG | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:P | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:C | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:CA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:CB | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:CD1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:CD2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:CE1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:CE2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:CG | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:CZ | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:H | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:HA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:HB2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:HB3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:HD1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:HD2 | 14 | 1.11 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:HE1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:HE2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:HH | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:N | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:O | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:OH | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:659:NH2:HN1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:659:NH2:HN2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:O | 2:B:659:NH2:N | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:648:ACE:C | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:648:ACE:CH3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:648:ACE:H1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:648:ACE:H2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:648:ACE:H3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:648:ACE:O | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:C | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:CA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:CB | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:CG | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:H | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:HA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:HB2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:HB3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:N | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:O | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:OD1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:OD2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:C | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:CA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:CB | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:CD | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:CG | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:H | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:HA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:HB2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:HB3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:HE21 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:HE22 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:HG2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:HG3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:N | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:NE2 | 14 | 1.11 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:O | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:OE1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:C | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:CA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:CB | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:H | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:HA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:HB2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:HB3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:HG | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:N | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:O | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:OG | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:C | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:CA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:CB | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:CG | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:H | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:HA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:HB2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:HB3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:N | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:O | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:OD1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:OD2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:C | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:CA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:CB | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:CD1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:CD2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:CE1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:CE2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:CG | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:CZ | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:H | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:HA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:HB2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:HB3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:HD1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:HD2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:HE1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:HE2 | 14 | 1.11 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:HZ | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:N | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:O | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:C | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:CA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:CB | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:CD | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:CG | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:H | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:HA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:HB2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:HB3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:HG2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:HG3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:N | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:O | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:OE1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:OE2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:655:GLY:C | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:655:GLY:CA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:655:GLY:H | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:655:GLY:HA2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:655:GLY:HA3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:655:GLY:N | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:655:GLY:O | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:C | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:CA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:CB | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:CD1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:CD2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:CE1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:CE2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:CG | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:CZ | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:H | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:HA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:HB2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:HB3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:HD1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:HD2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:HE1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:HE2 | 14 | 1.11 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:HZ | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:N | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:O | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:C | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:CA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:CB | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:H | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:HA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:HB3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:N | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:O | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:O1P | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:O2P | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:O3P | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:OG | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:P | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:C | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:CA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:CB | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:CD1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:CD2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:CE1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:CE2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:CG | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:CZ | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:H | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:HA | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:HB2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:HB3 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:HD1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:HD2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:HE1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:HE2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:HH | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:N | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:O | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:OH | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:659:NH2:HN1 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:659:NH2:HN2 | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:659:NH2:N | 14 | 1.11 |
| (1,34) | 1:A:253:ASN:C | 2:B:648:ACE:C | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:C | 2:B:648:ACE:CH3 | 11 | 1.09 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:C | 2:B:648:ACE:H1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:C | 2:B:648:ACE:H2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:C | 2:B:648:ACE:H3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:C | 2:B:648:ACE:O | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:C | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:CA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:CB | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:CG | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:H | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:HA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:HB2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:HB3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:N | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:O | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:OD1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:C | 2:B:649:ASP:OD2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:C | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:CA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:CB | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:CD | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:CG | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:H | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:HA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:HB2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:HB3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:HE21 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:HE22 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:HG2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:HG3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:N | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:NE2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:O | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:C | 2:B:650:GLN:OE1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:C | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:CA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:CB | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:H | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:HA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:HB2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:HB3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:HG | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:N | 11 | 1.09 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:O | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:C | 2:B:651:SER:OG | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:C | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:CA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:CB | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:CG | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:H | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:HA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:HB2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:HB3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:N | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:O | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:OD1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:C | 2:B:652:ASP:OD2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:C | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:CA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:CB | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:CD1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:CD2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:CE1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:CE2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:CG | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:CZ | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:H | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:HA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:HB2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:HB3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:HD1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:HD2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:HE1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:HE2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:HZ | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:N | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:C | 2:B:653:PHE:O | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:C | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:CA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:CB | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:CD | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:CG | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:H | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:HA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:HB2 | 11 | 1.09 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:HB3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:HG2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:HG3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:N | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:O | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:OE1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:C | 2:B:654:GLU:OE2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:C | 2:B:655:GLY:C | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:C | 2:B:655:GLY:CA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:C | 2:B:655:GLY:H | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:C | 2:B:655:GLY:HA2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:C | 2:B:655:GLY:HA3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:C | 2:B:655:GLY:N | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:C | 2:B:655:GLY:O | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:C | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:CA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:CB | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:CD1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:CD2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:CE1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:CE2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:CG | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:CZ | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:H | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:HA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:HB2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:HB3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:HD1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:HD2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:HE1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:HE2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:HZ | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:N | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:C | 2:B:656:PHE:O | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:C | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:CA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:CB | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:H | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:HA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:HB3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:N | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:O | 11 | 1.09 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:O1P | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:O2P | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:O3P | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:OG | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:C | 2:B:657:SEP:P | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:C | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:CA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:CB | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:CD1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:CD2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:CE1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:CE2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:CG | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:CZ | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:H | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:HA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:HB2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:HB3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:HD1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:HD2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:HE1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:HE2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:HH | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:N | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:O | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:C | 2:B:658:TYR:OH | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:C | 2:B:659:NH2:HN1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:C | 2:B:659:NH2:HN2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:C | 2:B:659:NH2:N | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CA | 2:B:648:ACE:C | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CA | 2:B:648:ACE:CH3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CA | 2:B:648:ACE:H1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CA | 2:B:648:ACE:H2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CA | 2:B:648:ACE:H3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CA | 2:B:648:ACE:O | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:C | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:CA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:CB | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:CG | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:H | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:HA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:HB2 | 11 | 1.09 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:HB3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:N | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:O | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:OD1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CA | 2:B:649:ASP:OD2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:C | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:CA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:CB | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:CD | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:CG | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:H | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:HA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:HB2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:HB3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:HE21 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:HE22 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:HG2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:HG3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:N | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:NE2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:O | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CA | 2:B:650:GLN:OE1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:C | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:CA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:CB | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:H | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:HA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:HB2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:HB3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:HG | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:N | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:O | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CA | 2:B:651:SER:OG | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:C | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:CA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:CB | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:CG | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:H | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:HA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:HB2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:HB3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:N | 11 | 1.09 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:O | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:OD1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CA | 2:B:652:ASP:OD2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:C | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:CA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:CB | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:CD1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:CD2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:CE1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:CE2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:CG | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:CZ | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:H | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:HA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:HB2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:HB3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:HD1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:HD2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:HE1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:HE2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:HZ | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:N | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CA | 2:B:653:PHE:O | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:C | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:CA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:CB | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:CD | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:CG | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:H | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:HA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:HB2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:HB3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:HG2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:HG3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:N | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:O | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:OE1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CA | 2:B:654:GLU:OE2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CA | 2:B:655:GLY:C | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CA | 2:B:655:GLY:CA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CA | 2:B:655:GLY:H | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CA | 2:B:655:GLY:HA2 | 11 | 1.09 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CA | 2:B:655:GLY:HA3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CA | 2:B:655:GLY:N | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CA | 2:B:655:GLY:O | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:C | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:CA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:CB | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:CD1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:CD2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:CE1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:CE2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:CG | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:CZ | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:H | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:HA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:HB2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:HB3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:HD1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:HD2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:HE1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:HE2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:HZ | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:N | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CA | 2:B:656:PHE:O | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:C | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:CA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:CB | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:H | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:HA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:HB3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:N | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:O | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:O1P | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:O2P | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:O3P | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:OG | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CA | 2:B:657:SEP:P | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:C | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:CA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:CB | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:CD1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:CD2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:CE1 | 11 | 1.09 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:CE2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:CG | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:CZ | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:H | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:HA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:HB2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:HB3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:HD1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:HD2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:HE1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:HE2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:HH | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:N | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:O | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CA | 2:B:658:TYR:OH | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CA | 2:B:659:NH2:HN1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CA | 2:B:659:NH2:HN2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CA | 2:B:659:NH2:N | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CB | 2:B:648:ACE:C | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CB | 2:B:648:ACE:CH3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CB | 2:B:648:ACE:H1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CB | 2:B:648:ACE:H2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CB | 2:B:648:ACE:H3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CB | 2:B:648:ACE:O | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:C | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:CA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:CB | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:CG | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:H | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:HA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:HB2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:HB3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:N | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:O | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:OD1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CB | 2:B:649:ASP:OD2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:C | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:CA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:CB | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:CD | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:CG | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:H | 11 | 1.09 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:HA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:HB2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:HB3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:HE21 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:HE22 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:HG2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:HG3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:N | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:NE2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:O | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CB | 2:B:650:GLN:OE1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:C | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:CA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:CB | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:H | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:HA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:HB2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:HB3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:HG | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:N | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:O | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CB | 2:B:651:SER:OG | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:C | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:CA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:CB | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:CG | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:H | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:HA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:HB2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:HB3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:N | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:O | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:OD1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CB | 2:B:652:ASP:OD2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:C | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:CA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:CB | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:CD1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:CD2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:CE1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:CE2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:CG | 11 | 1.09 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:CZ | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:H | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:HA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:HB2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:HB3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:HD1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:HD2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:HE1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:HE2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:HZ | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:N | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CB | 2:B:653:PHE:O | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:C | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:CA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:CB | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:CD | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:CG | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:H | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:HA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:HB2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:HB3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:HG2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:HG3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:N | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:O | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:OE1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CB | 2:B:654:GLU:OE2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CB | 2:B:655:GLY:C | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CB | 2:B:655:GLY:CA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CB | 2:B:655:GLY:H | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CB | 2:B:655:GLY:HA2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CB | 2:B:655:GLY:HA3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CB | 2:B:655:GLY:N | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CB | 2:B:655:GLY:O | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:C | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:CA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:CB | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:CD1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:CD2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:CE1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:CE2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:CG | 11 | 1.09 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:CZ | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:H | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:HA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:HB2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:HB3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:HD1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:HD2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:HE1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:HE2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:HZ | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:N | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CB | 2:B:656:PHE:O | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:C | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:CA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:CB | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:H | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:HA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:HB3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:N | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:O | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:O1P | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:O2P | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:O3P | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:OG | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CB | 2:B:657:SEP:P | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:C | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:CA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:CB | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:CD1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:CD2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:CE1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:CE2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:CG | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:CZ | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:H | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:HA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:HB2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:HB3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:HD1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:HD2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:HE1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:HE2 | 11 | 1.09 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:HH | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:N | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:O | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CB | 2:B:658:TYR:OH | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CB | 2:B:659:NH2:HN1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CB | 2:B:659:NH2:HN2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CB | 2:B:659:NH2:N | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CG | 2:B:648:ACE:C | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CG | 2:B:648:ACE:CH3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CG | 2:B:648:ACE:H1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CG | 2:B:648:ACE:H2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CG | 2:B:648:ACE:H3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CG | 2:B:648:ACE:O | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:C | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:CA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:CB | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:CG | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:H | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:HA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:HB2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:HB3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:N | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:O | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:OD1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CG | 2:B:649:ASP:OD2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:C | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:CA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:CB | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:CD | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:CG | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:H | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:HA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:HB2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:HB3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:HE21 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:HE22 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:HG2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:HG3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:N | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:NE2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:O | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CG | 2:B:650:GLN:OE1 | 11 | 1.09 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:C | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:CA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:CB | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:H | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:HA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:HB2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:HB3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:HG | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:N | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:O | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CG | 2:B:651:SER:OG | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:C | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:CA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:CB | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:CG | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:H | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:HA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:HB2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:HB3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:N | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:O | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:OD1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CG | 2:B:652:ASP:OD2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:C | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:CA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:CB | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:CD1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:CD2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:CE1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:CE2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:CG | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:CZ | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:H | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:HA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:HB2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:HB3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:HD1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:HD2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:HE1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:HE2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:HZ | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:N | 11 | 1.09 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CG | 2:B:653:PHE:O | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:C | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:CA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:CB | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:CD | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:CG | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:H | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:HA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:HB2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:HB3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:HG2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:HG3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:N | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:O | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:OE1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CG | 2:B:654:GLU:OE2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CG | 2:B:655:GLY:C | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CG | 2:B:655:GLY:CA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CG | 2:B:655:GLY:H | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CG | 2:B:655:GLY:HA2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CG | 2:B:655:GLY:HA3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CG | 2:B:655:GLY:N | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CG | 2:B:655:GLY:O | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:C | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:CA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:CB | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:CD1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:CD2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:CE1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:CE2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:CG | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:CZ | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:H | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:HA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:HB2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:HB3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:HD1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:HD2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:HE1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:HE2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:HZ | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:N | 11 | 1.09 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:CG | 2:B:656:PHE:O | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:C | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:CA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:CB | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:H | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:HA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:HB3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:N | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:O | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:O1P | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:O2P | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:O3P | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:OG | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CG | 2:B:657:SEP:P | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:C | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:CA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:CB | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:CD1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:CD2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:CE1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:CE2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:CG | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:CZ | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:H | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:HA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:HB2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:HB3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:HD1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:HD2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:HE1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:HE2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:HH | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:N | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:O | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CG | 2:B:658:TYR:OH | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CG | 2:B:659:NH2:HN1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CG | 2:B:659:NH2:HN2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:CG | 2:B:659:NH2:N | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:H | 2:B:648:ACE:C | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:H | 2:B:648:ACE:CH3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:H | 2:B:648:ACE:H1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:H | 2:B:648:ACE:H2 | 11 | 1.09 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:H | 2:B:648:ACE:H3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:H | 2:B:648:ACE:O | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:C | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:CA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:CB | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:CG | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:H | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:HA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:HB2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:HB3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:N | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:O | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:OD1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:H | 2:B:649:ASP:OD2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:C | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:CA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:CB | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:CD | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:CG | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:H | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:HA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:HB2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:HB3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:HE21 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:HE22 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:HG2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:HG3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:N | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:NE2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:O | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:H | 2:B:650:GLN:OE1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:C | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:CA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:CB | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:H | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:HA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:HB2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:HB3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:HG | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:N | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:O | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:H | 2:B:651:SER:OG | 11 | 1.09 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:C | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:CA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:CB | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:CG | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:H | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:HA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:HB2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:HB3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:N | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:O | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:OD1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:H | 2:B:652:ASP:OD2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:C | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:CA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:CB | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:CD1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:CD2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:CE1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:CE2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:CG | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:CZ | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:H | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:HA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:HB2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:HB3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:HD1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:HD2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:HE1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:HE2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:HZ | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:N | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:H | 2:B:653:PHE:O | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:C | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:CA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:CB | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:CD | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:CG | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:H | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:HA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:HB2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:HB3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:HG2 | 11 | 1.09 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:HG3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:N | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:O | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:OE1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:H | 2:B:654:GLU:OE2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:H | 2:B:655:GLY:C | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:H | 2:B:655:GLY:CA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:H | 2:B:655:GLY:H | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:H | 2:B:655:GLY:HA2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:H | 2:B:655:GLY:HA3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:H | 2:B:655:GLY:N | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:H | 2:B:655:GLY:O | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:C | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:CA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:CB | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:CD1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:CD2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:CE1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:CE2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:CG | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:CZ | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:H | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:HA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:HB2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:HB3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:HD1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:HD2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:HE1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:HE2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:HZ | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:N | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:H | 2:B:656:PHE:O | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:C | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:CA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:CB | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:H | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:HA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:HB3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:N | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:O | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:O1P | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:O2P | 11 | 1.09 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:O3P | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:OG | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:H | 2:B:657:SEP:P | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:C | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:CA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:CB | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:CD1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:CD2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:CE1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:CE2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:CG | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:CZ | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:H | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:HA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:HB2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:HB3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:HD1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:HD2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:HE1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:HE2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:HH | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:N | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:O | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:H | 2:B:658:TYR:OH | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:H | 2:B:659:NH2:HN1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:H | 2:B:659:NH2:HN2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:H | 2:B:659:NH2:N | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HA | 2:B:648:ACE:C | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HA | 2:B:648:ACE:CH3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HA | 2:B:648:ACE:H1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HA | 2:B:648:ACE:H2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HA | 2:B:648:ACE:H3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HA | 2:B:648:ACE:O | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:C | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:CA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:CB | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:CG | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:H | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:HA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:HB2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:HB3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:N | 11 | 1.09 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:O | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:OD1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HA | 2:B:649:ASP:OD2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:C | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:CA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:CB | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:CD | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:CG | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:H | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:HA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:HB2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:HB3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:HE21 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:HE22 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:HG2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:HG3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:N | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:NE2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:O | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HA | 2:B:650:GLN:OE1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:C | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:CA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:CB | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:H | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:HA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:HB2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:HB3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:HG | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:N | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:O | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HA | 2:B:651:SER:OG | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:C | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:CA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:CB | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:CG | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:H | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:HA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:HB2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:HB3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:N | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:O | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:OD1 | 11 | 1.09 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HA | 2:B:652:ASP:OD2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:C | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:CA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:CB | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:CD1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:CD2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:CE1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:CE2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:CG | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:CZ | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:H | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:HA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:HB2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:HB3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:HD1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:HD2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:HE1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:HE2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:HZ | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:N | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HA | 2:B:653:PHE:O | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:C | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:CA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:CB | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:CD | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:CG | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:H | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:HA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:HB2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:HB3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:HG2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:HG3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:N | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:O | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:OE1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HA | 2:B:654:GLU:OE2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HA | 2:B:655:GLY:C | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HA | 2:B:655:GLY:CA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HA | 2:B:655:GLY:H | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HA | 2:B:655:GLY:HA2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HA | 2:B:655:GLY:HA3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HA | 2:B:655:GLY:N | 11 | 1.09 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HA | 2:B:655:GLY:O | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:C | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:CA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:CB | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:CD1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:CD2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:CE1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:CE2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:CG | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:CZ | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:H | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:HA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:HB2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:HB3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:HD1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:HD2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:HE1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:HE2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:HZ | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:N | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HA | 2:B:656:PHE:O | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:C | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:CA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:CB | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:H | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:HA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:HB3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:N | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:O | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:O1P | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:O2P | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:O3P | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:OG | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HA | 2:B:657:SEP:P | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:C | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:CA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:CB | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:CD1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:CD2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:CE1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:CE2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:CG | 11 | 1.09 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:CZ | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:H | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:HA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:HB2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:HB3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:HD1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:HD2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:HE1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:HE2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:HH | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:N | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:O | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HA | 2:B:658:TYR:OH | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HA | 2:B:659:NH2:HN1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HA | 2:B:659:NH2:HN2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HA | 2:B:659:NH2:N | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:648:ACE:C | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:648:ACE:CH3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:648:ACE:H1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:648:ACE:H2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:648:ACE:H3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:648:ACE:O | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:C | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:CA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:CB | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:CG | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:H | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:HA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:HB2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:HB3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:N | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:O | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:OD1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:649:ASP:OD2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:C | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:CA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:CB | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:CD | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:CG | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:H | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:HA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:HB2 | 11 | 1.09 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:HB3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:HE21 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:HE22 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:HG2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:HG3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:N | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:NE2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:O | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:650:GLN:OE1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:C | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:CA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:CB | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:H | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:HA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:HB2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:HB3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:HG | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:N | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:O | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:651:SER:OG | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:C | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:CA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:CB | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:CG | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:H | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:HA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:HB2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:HB3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:N | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:O | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:OD1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:652:ASP:OD2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:C | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:CA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:CB | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:CD1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:CD2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:CE1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:CE2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:CG | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:CZ | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:H | 11 | 1.09 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:HA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:HB2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:HB3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:HD1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:HD2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:HE1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:HE2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:HZ | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:N | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:653:PHE:O | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:C | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:CA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:CB | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:CD | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:CG | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:H | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:HA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:HB2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:HB3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:HG2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:HG3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:N | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:O | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:OE1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:654:GLU:OE2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:655:GLY:C | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:655:GLY:CA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:655:GLY:H | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:655:GLY:HA2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:655:GLY:HA3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:655:GLY:N | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:655:GLY:O | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:C | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:CA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:CB | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:CD1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:CD2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:CE1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:CE2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:CG | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:CZ | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:H | 11 | 1.09 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:HA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:HB2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:HB3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:HD1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:HD2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:HE1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:HE2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:HZ | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:N | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:656:PHE:O | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:C | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:CA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:CB | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:H | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:HA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:HB3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:N | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:O | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:O1P | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:O2P | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:O3P | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:OG | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:657:SEP:P | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:C | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:CA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:CB | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:CD1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:CD2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:CE1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:CE2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:CG | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:CZ | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:H | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:HA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:HB2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:HB3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:HD1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:HD2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:HE1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:HE2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:HH | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:N | 11 | 1.09 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:O | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:658:TYR:OH | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:659:NH2:HN1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:659:NH2:HN2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB2 | 2:B:659:NH2:N | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:648:ACE:C | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:648:ACE:CH3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:648:ACE:H1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:648:ACE:H2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:648:ACE:H3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:648:ACE:O | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:C | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:CA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:CB | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:CG | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:H | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:HA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:HB2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:HB3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:N | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:O | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:OD1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:649:ASP:OD2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:C | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:CA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:CB | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:CD | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:CG | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:H | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:HA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:HB2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:HB3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:HE21 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:HE22 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:HG2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:HG3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:N | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:NE2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:O | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:650:GLN:OE1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:C | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:CA | 11 | 1.09 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:CB | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:H | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:HA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:HB2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:HB3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:HG | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:N | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:O | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:651:SER:OG | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:C | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:CA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:CB | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:CG | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:H | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:HA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:HB2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:HB3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:N | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:O | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:OD1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:652:ASP:OD2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:C | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:CA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:CB | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:CD1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:CD2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:CE1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:CE2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:CG | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:CZ | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:H | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:HA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:HB2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:HB3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:HD1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:HD2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:HE1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:HE2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:HZ | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:N | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:653:PHE:O | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:C | 11 | 1.09 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:CA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:CB | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:CD | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:CG | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:H | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:HA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:HB2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:HB3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:HG2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:HG3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:N | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:O | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:OE1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:654:GLU:OE2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:655:GLY:C | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:655:GLY:CA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:655:GLY:H | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:655:GLY:HA2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:655:GLY:HA3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:655:GLY:N | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:655:GLY:O | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:C | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:CA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:CB | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:CD1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:CD2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:CE1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:CE2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:CG | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:CZ | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:H | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:HA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:HB2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:HB3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:HD1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:HD2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:HE1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:HE2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:HZ | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:N | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:656:PHE:O | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:C | 11 | 1.09 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:CA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:CB | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:H | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:HA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:HB3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:N | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:O | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:O1P | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:O2P | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:O3P | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:OG | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:657:SEP:P | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:C | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:CA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:CB | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:CD1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:CD2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:CE1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:CE2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:CG | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:CZ | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:H | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:HA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:HB2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:HB3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:HD1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:HD2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:HE1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:HE2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:HH | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:N | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:O | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:658:TYR:OH | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:659:NH2:HN1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:659:NH2:HN2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HB3 | 2:B:659:NH2:N | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:648:ACE:C | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:648:ACE:CH3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:648:ACE:H1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:648:ACE:H2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:648:ACE:H3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:648:ACE:O | 11 | 1.09 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:C | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:CA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:CB | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:CG | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:H | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:HA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:HB2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:HB3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:N | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:O | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:OD1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:649:ASP:OD2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:C | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:CA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:CB | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:CD | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:CG | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:H | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:HA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:HB2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:HB3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:HE21 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:HE22 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:HG2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:HG3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:N | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:NE2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:O | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:650:GLN:OE1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:C | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:CA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:CB | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:H | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:HA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:HB2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:HB3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:HG | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:N | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:O | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:651:SER:OG | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:C | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:CA | 11 | 1.09 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:CB | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:CG | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:H | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:HA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:HB2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:HB3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:N | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:O | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:OD1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:652:ASP:OD2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:C | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:CA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:CB | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:CD1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:CD2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:CE1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:CE2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:CG | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:CZ | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:H | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:HA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:HB2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:HB3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:HD1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:HD2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:HE1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:HE2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:HZ | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:N | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:653:PHE:O | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:C | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:CA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:CB | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:CD | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:CG | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:H | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:HA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:HB2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:HB3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:HG2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:HG3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:N | 11 | 1.09 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:O | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:OE1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:654:GLU:OE2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:655:GLY:C | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:655:GLY:CA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:655:GLY:H | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:655:GLY:HA2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:655:GLY:HA3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:655:GLY:N | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:655:GLY:O | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:C | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:CA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:CB | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:CD1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:CD2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:CE1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:CE2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:CG | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:CZ | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:H | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:HA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:HB2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:HB3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:HD1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:HD2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:HE1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:HE2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:HZ | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:N | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:656:PHE:O | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:C | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:CA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:CB | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:H | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:HA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:HB3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:N | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:O | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:O1P | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:O2P | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:O3P | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:OG | 11 | 1.09 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HD21 | 2:B:657:SEP:P | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:C | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:CA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:CB | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:CD1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:CD2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:CE1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:CE2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:CG | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:CZ | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:H | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:HA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:HB2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:HB3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:HD1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:HD2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:HE1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:HE2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:HH | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:N | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:O | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:658:TYR:OH | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:659:NH2:HN1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:659:NH2:HN2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD21 | 2:B:659:NH2:N | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:648:ACE:C | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:648:ACE:CH3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:648:ACE:H1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:648:ACE:H2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:648:ACE:H3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:648:ACE:O | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:C | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:CA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:CB | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:CG | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:H | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:HA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:HB2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:HB3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:N | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:O | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:OD1 | 11 | 1.09 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HD22 | 2:B:649:ASP:OD2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:C | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:CA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:CB | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:CD | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:CG | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:H | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:HA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:HB2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:HB3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:HE21 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:HE22 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:HG2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:HG3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:N | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:NE2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:O | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:650:GLN:OE1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:C | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:CA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:CB | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:H | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:HA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:HB2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:HB3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:HG | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:N | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:O | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:651:SER:OG | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:C | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:CA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:CB | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:CG | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:H | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:HA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:HB2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:HB3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:N | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:O | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:OD1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:652:ASP:OD2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:C | 11 | 1.09 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:CA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:CB | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:CD1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:CD2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:CE1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:CE2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:CG | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:CZ | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:H | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:HA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:HB2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:HB3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:HD1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:HD2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:HE1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:HE2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:HZ | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:N | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:653:PHE:O | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:C | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:CA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:CB | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:CD | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:CG | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:H | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:HA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:HB2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:HB3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:HG2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:HG3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:N | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:O | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:OE1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:654:GLU:OE2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:655:GLY:C | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:655:GLY:CA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:655:GLY:H | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:655:GLY:HA2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:655:GLY:HA3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:655:GLY:N | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:655:GLY:O | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:C | 11 | 1.09 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:CA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:CB | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:CD1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:CD2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:CE1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:CE2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:CG | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:CZ | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:H | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:HA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:HB2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:HB3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:HD1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:HD2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:HE1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:HE2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:HZ | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:N | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:656:PHE:O | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:C | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:CA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:CB | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:H | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:HA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:HB3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:N | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:O | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:O1P | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:O2P | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:O3P | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:OG | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:657:SEP:P | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:C | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:CA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:CB | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:CD1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:CD2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:CE1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:CE2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:CG | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:CZ | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:H | 11 | 1.09 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:HA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:HB2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:HB3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:HD1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:HD2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:HE1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:HE2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:HH | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:N | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:O | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:658:TYR:OH | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:659:NH2:HN1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:659:NH2:HN2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:HD22 | 2:B:659:NH2:N | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:N | 2:B:648:ACE:C | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:N | 2:B:648:ACE:CH3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:N | 2:B:648:ACE:H1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:N | 2:B:648:ACE:H2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:N | 2:B:648:ACE:H3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:N | 2:B:648:ACE:O | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:C | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:CA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:CB | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:CG | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:H | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:HA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:HB2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:HB3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:N | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:O | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:OD1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:N | 2:B:649:ASP:OD2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:C | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:CA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:CB | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:CD | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:CG | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:H | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:HA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:HB2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:HB3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:HE21 | 11 | 1.09 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:HE22 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:HG2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:HG3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:N | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:NE2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:O | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:N | 2:B:650:GLN:OE1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:C | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:CA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:CB | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:H | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:HA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:HB2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:HB3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:HG | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:N | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:O | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:N | 2:B:651:SER:OG | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:C | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:CA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:CB | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:CG | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:H | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:HA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:HB2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:HB3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:N | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:O | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:OD1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:N | 2:B:652:ASP:OD2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:C | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:CA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:CB | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:CD1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:CD2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:CE1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:CE2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:CG | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:CZ | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:H | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:HA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:HB2 | 11 | 1.09 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:HB3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:HD1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:HD2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:HE1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:HE2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:HZ | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:N | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:N | 2:B:653:PHE:O | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:C | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:CA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:CB | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:CD | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:CG | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:H | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:HA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:HB2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:HB3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:HG2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:HG3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:N | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:O | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:OE1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:N | 2:B:654:GLU:OE2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:N | 2:B:655:GLY:C | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:N | 2:B:655:GLY:CA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:N | 2:B:655:GLY:H | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:N | 2:B:655:GLY:HA2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:N | 2:B:655:GLY:HA3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:N | 2:B:655:GLY:N | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:N | 2:B:655:GLY:O | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:C | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:CA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:CB | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:CD1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:CD2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:CE1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:CE2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:CG | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:CZ | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:H | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:HA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:HB2 | 11 | 1.09 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:HB3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:HD1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:HD2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:HE1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:HE2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:HZ | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:N | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:N | 2:B:656:PHE:O | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:C | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:CA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:CB | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:H | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:HA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:HB3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:N | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:O | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:O1P | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:O2P | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:O3P | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:OG | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:N | 2:B:657:SEP:P | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:C | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:CA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:CB | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:CD1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:CD2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:CE1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:CE2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:CG | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:CZ | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:H | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:HA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:HB2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:HB3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:HD1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:HD2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:HE1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:HE2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:HH | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:N | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:O | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:N | 2:B:658:TYR:OH | 11 | 1.09 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:N | 2:B:659:NH2:HN1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:N | 2:B:659:NH2:HN2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:N | 2:B:659:NH2:N | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:648:ACE:C | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:648:ACE:CH3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:648:ACE:H1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:648:ACE:H2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:648:ACE:H3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:648:ACE:O | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:C | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:CA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:CB | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:CG | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:H | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:HA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:HB2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:HB3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:N | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:O | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:OD1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:649:ASP:OD2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:C | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:CA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:CB | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:CD | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:CG | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:H | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:HA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:HB2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:HB3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:HE21 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:HE22 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:HG2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:HG3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:N | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:NE2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:O | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:650:GLN:OE1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:C | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:CA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:CB | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:H | 11 | 1.09 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:HA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:HB2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:HB3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:HG | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:N | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:O | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:651:SER:OG | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:C | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:CA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:CB | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:CG | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:H | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:HA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:HB2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:HB3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:N | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:O | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:OD1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:652:ASP:OD2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:C | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:CA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:CB | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:CD1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:CD2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:CE1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:CE2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:CG | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:CZ | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:H | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:HA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:HB2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:HB3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:HD1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:HD2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:HE1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:HE2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:HZ | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:N | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:653:PHE:O | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:C | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:CA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:CB | 11 | 1.09 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:CD | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:CG | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:H | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:HA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:HB2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:HB3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:HG2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:HG3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:N | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:O | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:OE1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:654:GLU:OE2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:655:GLY:C | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:655:GLY:CA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:655:GLY:H | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:655:GLY:HA2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:655:GLY:HA3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:655:GLY:N | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:655:GLY:O | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:C | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:CA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:CB | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:CD1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:CD2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:CE1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:CE2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:CG | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:CZ | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:H | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:HA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:HB2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:HB3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:HD1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:HD2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:HE1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:HE2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:HZ | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:N | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:656:PHE:O | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:C | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:CA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:CB | 11 | 1.09 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:H | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:HA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:HB3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:N | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:O | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:O1P | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:O2P | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:O3P | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:OG | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:657:SEP:P | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:C | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:CA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:CB | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:CD1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:CD2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:CE1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:CE2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:CG | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:CZ | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:H | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:HA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:HB2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:HB3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:HD1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:HD2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:HE1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:HE2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:HH | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:N | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:O | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:658:TYR:OH | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:659:NH2:HN1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:659:NH2:HN2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:ND2 | 2:B:659:NH2:N | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:O | 2:B:648:ACE:C | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:O | 2:B:648:ACE:CH3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:O | 2:B:648:ACE:H1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:O | 2:B:648:ACE:H2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:O | 2:B:648:ACE:H3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:O | 2:B:648:ACE:O | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:C | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:CA | 11 | 1.09 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:CB | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:CG | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:H | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:HA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:HB2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:HB3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:N | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:O | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:OD1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:O | 2:B:649:ASP:OD2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:C | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:CA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:CB | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:CD | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:CG | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:H | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:HA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:HB2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:HB3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:HE21 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:HE22 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:HG2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:HG3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:N | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:NE2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:O | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:O | 2:B:650:GLN:OE1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:C | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:CA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:CB | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:H | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:HA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:HB2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:HB3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:HG | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:N | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:O | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:O | 2:B:651:SER:OG | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:C | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:CA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:CB | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:CG | 11 | 1.09 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:H | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:HA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:HB2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:HB3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:N | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:O | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:OD1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:O | 2:B:652:ASP:OD2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:C | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:CA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:CB | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:CD1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:CD2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:CE1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:CE2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:CG | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:CZ | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:H | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:HA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:HB2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:HB3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:HD1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:HD2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:HE1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:HE2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:HZ | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:N | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:O | 2:B:653:PHE:O | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:C | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:CA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:CB | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:CD | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:CG | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:H | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:HA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:HB2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:HB3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:HG2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:HG3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:N | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:O | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:OE1 | 11 | 1.09 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:O | 2:B:654:GLU:OE2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:O | 2:B:655:GLY:C | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:O | 2:B:655:GLY:CA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:O | 2:B:655:GLY:H | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:O | 2:B:655:GLY:HA2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:O | 2:B:655:GLY:HA3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:O | 2:B:655:GLY:N | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:O | 2:B:655:GLY:O | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:C | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:CA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:CB | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:CD1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:CD2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:CE1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:CE2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:CG | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:CZ | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:H | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:HA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:HB2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:HB3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:HD1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:HD2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:HE1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:HE2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:HZ | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:N | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:O | 2:B:656:PHE:O | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:C | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:CA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:CB | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:H | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:HA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:HB3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:N | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:O | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:O1P | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:O2P | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:O3P | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:OG | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:O | 2:B:657:SEP:P | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:C | 11 | 1.09 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:CA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:CB | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:CD1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:CD2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:CE1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:CE2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:CG | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:CZ | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:H | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:HA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:HB2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:HB3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:HD1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:HD2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:HE1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:HE2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:HH | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:N | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:O | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:O | 2:B:658:TYR:OH | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:O | 2:B:659:NH2:HN1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:O | 2:B:659:NH2:HN2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:O | 2:B:659:NH2:N | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:648:ACE:C | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:648:ACE:CH3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:648:ACE:H1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:648:ACE:H2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:648:ACE:H3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:648:ACE:O | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:C | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:CA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:CB | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:CG | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:H | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:HA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:HB2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:HB3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:N | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:O | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:OD1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:649:ASP:OD2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:C | 11 | 1.09 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:CA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:CB | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:CD | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:CG | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:H | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:HA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:HB2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:HB3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:HE21 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:HE22 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:HG2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:HG3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:N | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:NE2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:O | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:650:GLN:OE1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:C | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:CA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:CB | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:H | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:HA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:HB2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:HB3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:HG | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:N | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:O | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:651:SER:OG | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:C | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:CA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:CB | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:CG | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:H | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:HA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:HB2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:HB3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:N | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:O | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:OD1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:652:ASP:OD2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:C | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:CA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:CB | 11 | 1.09 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:CD1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:CD2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:CE1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:CE2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:CG | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:CZ | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:H | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:HA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:HB2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:HB3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:HD1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:HD2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:HE1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:HE2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:HZ | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:N | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:653:PHE:O | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:C | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:CA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:CB | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:CD | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:CG | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:H | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:HA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:HB2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:HB3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:HG2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:HG3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:N | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:O | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:OE1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:654:GLU:OE2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:655:GLY:C | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:655:GLY:CA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:655:GLY:H | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:655:GLY:HA2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:655:GLY:HA3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:655:GLY:N | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:655:GLY:O | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:C | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:CA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:CB | 11 | 1.09 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:CD1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:CD2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:CE1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:CE2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:CG | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:CZ | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:H | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:HA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:HB2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:HB3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:HD1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:HD2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:HE1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:HE2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:HZ | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:N | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:656:PHE:O | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:C | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:CA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:CB | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:H | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:HA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:HB3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:N | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:O | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:O1P | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:O2P | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:O3P | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:OG | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:657:SEP:P | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:C | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:CA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:CB | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:CD1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:CD2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:CE1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:CE2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:CG | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:CZ | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:H | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:HA | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:HB2 | 11 | 1.09 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|------------------|----------|---------------|
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:HB3 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:HD1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:HD2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:HE1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:HE2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:HH | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:N | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:O | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:658:TYR:OH | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:659:NH2:HN1 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:659:NH2:HN2 | 11 | 1.09 |
| (1,34) | 1:A:253:ASN:OD1 | 2:B:659:NH2:N | 11 | 1.09 |
| (1,37) | 1:A:250:THR:C | 2:B:648:ACE:C | 15 | 0.49 |
| (1,37) | 1:A:250:THR:C | 2:B:648:ACE:CH3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:C | 2:B:648:ACE:H1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:C | 2:B:648:ACE:H2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:C | 2:B:648:ACE:H3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:C | 2:B:648:ACE:O | 15 | 0.49 |
| (1,37) | 1:A:250:THR:C | 2:B:649:ASP:C | 15 | 0.49 |
| (1,37) | 1:A:250:THR:C | 2:B:649:ASP:CA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:C | 2:B:649:ASP:CB | 15 | 0.49 |
| (1,37) | 1:A:250:THR:C | 2:B:649:ASP:CG | 15 | 0.49 |
| (1,37) | 1:A:250:THR:C | 2:B:649:ASP:H | 15 | 0.49 |
| (1,37) | 1:A:250:THR:C | 2:B:649:ASP:HA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:C | 2:B:649:ASP:HB2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:C | 2:B:649:ASP:HB3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:C | 2:B:649:ASP:N | 15 | 0.49 |
| (1,37) | 1:A:250:THR:C | 2:B:649:ASP:O | 15 | 0.49 |
| (1,37) | 1:A:250:THR:C | 2:B:649:ASP:OD1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:C | 2:B:649:ASP:OD2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:C | 2:B:650:GLN:C | 15 | 0.49 |
| (1,37) | 1:A:250:THR:C | 2:B:650:GLN:CA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:C | 2:B:650:GLN:CB | 15 | 0.49 |
| (1,37) | 1:A:250:THR:C | 2:B:650:GLN:CD | 15 | 0.49 |
| (1,37) | 1:A:250:THR:C | 2:B:650:GLN:CG | 15 | 0.49 |
| (1,37) | 1:A:250:THR:C | 2:B:650:GLN:H | 15 | 0.49 |
| (1,37) | 1:A:250:THR:C | 2:B:650:GLN:HA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:C | 2:B:650:GLN:HB2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:C | 2:B:650:GLN:HB3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:C | 2:B:650:GLN:HE21 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:C | 2:B:650:GLN:HE22 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:C | 2:B:650:GLN:HG2 | 15 | 0.49 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:C | 2:B:650:GLN:HG3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:C | 2:B:650:GLN:N | 15 | 0.49 |
| (1,37) | 1:A:250:THR:C | 2:B:650:GLN:NE2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:C | 2:B:650:GLN:O | 15 | 0.49 |
| (1,37) | 1:A:250:THR:C | 2:B:650:GLN:OE1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:C | 2:B:651:SER:C | 15 | 0.49 |
| (1,37) | 1:A:250:THR:C | 2:B:651:SER:CA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:C | 2:B:651:SER:CB | 15 | 0.49 |
| (1,37) | 1:A:250:THR:C | 2:B:651:SER:H | 15 | 0.49 |
| (1,37) | 1:A:250:THR:C | 2:B:651:SER:HA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:C | 2:B:651:SER:HB2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:C | 2:B:651:SER:HB3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:C | 2:B:651:SER:HG | 15 | 0.49 |
| (1,37) | 1:A:250:THR:C | 2:B:651:SER:N | 15 | 0.49 |
| (1,37) | 1:A:250:THR:C | 2:B:651:SER:O | 15 | 0.49 |
| (1,37) | 1:A:250:THR:C | 2:B:651:SER:OG | 15 | 0.49 |
| (1,37) | 1:A:250:THR:C | 2:B:652:ASP:C | 15 | 0.49 |
| (1,37) | 1:A:250:THR:C | 2:B:652:ASP:CA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:C | 2:B:652:ASP:CB | 15 | 0.49 |
| (1,37) | 1:A:250:THR:C | 2:B:652:ASP:CG | 15 | 0.49 |
| (1,37) | 1:A:250:THR:C | 2:B:652:ASP:H | 15 | 0.49 |
| (1,37) | 1:A:250:THR:C | 2:B:652:ASP:HA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:C | 2:B:652:ASP:HB2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:C | 2:B:652:ASP:HB3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:C | 2:B:652:ASP:N | 15 | 0.49 |
| (1,37) | 1:A:250:THR:C | 2:B:652:ASP:O | 15 | 0.49 |
| (1,37) | 1:A:250:THR:C | 2:B:652:ASP:OD1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:C | 2:B:652:ASP:OD2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:C | 15 | 0.49 |
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:CA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:CB | 15 | 0.49 |
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:CD1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:CD2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:CE1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:CE2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:CG | 15 | 0.49 |
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:CZ | 15 | 0.49 |
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:H | 15 | 0.49 |
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:HA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:HB2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:HB3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:HD1 | 15 | 0.49 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:HD2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:HE1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:HE2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:HZ | 15 | 0.49 |
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:N | 15 | 0.49 |
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:O | 15 | 0.49 |
| (1,37) | 1:A:250:THR:C | 2:B:654:GLU:C | 15 | 0.49 |
| (1,37) | 1:A:250:THR:C | 2:B:654:GLU:CA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:C | 2:B:654:GLU:CB | 15 | 0.49 |
| (1,37) | 1:A:250:THR:C | 2:B:654:GLU:CD | 15 | 0.49 |
| (1,37) | 1:A:250:THR:C | 2:B:654:GLU:CG | 15 | 0.49 |
| (1,37) | 1:A:250:THR:C | 2:B:654:GLU:H | 15 | 0.49 |
| (1,37) | 1:A:250:THR:C | 2:B:654:GLU:HA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:C | 2:B:654:GLU:HB2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:C | 2:B:654:GLU:HB3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:C | 2:B:654:GLU:HG2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:C | 2:B:654:GLU:HG3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:C | 2:B:654:GLU:N | 15 | 0.49 |
| (1,37) | 1:A:250:THR:C | 2:B:654:GLU:O | 15 | 0.49 |
| (1,37) | 1:A:250:THR:C | 2:B:654:GLU:OE1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:C | 2:B:654:GLU:OE2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:C | 2:B:655:GLY:C | 15 | 0.49 |
| (1,37) | 1:A:250:THR:C | 2:B:655:GLY:CA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:C | 2:B:655:GLY:H | 15 | 0.49 |
| (1,37) | 1:A:250:THR:C | 2:B:655:GLY:HA2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:C | 2:B:655:GLY:HA3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:C | 2:B:655:GLY:N | 15 | 0.49 |
| (1,37) | 1:A:250:THR:C | 2:B:655:GLY:O | 15 | 0.49 |
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:C | 15 | 0.49 |
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:CA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:CB | 15 | 0.49 |
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:CD1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:CD2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:CE1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:CE2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:CG | 15 | 0.49 |
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:CZ | 15 | 0.49 |
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:H | 15 | 0.49 |
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:HA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:HB2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:HB3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:HD1 | 15 | 0.49 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:HD2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:HE1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:HE2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:HZ | 15 | 0.49 |
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:N | 15 | 0.49 |
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:O | 15 | 0.49 |
| (1,37) | 1:A:250:THR:C | 2:B:657:SEP:C | 15 | 0.49 |
| (1,37) | 1:A:250:THR:C | 2:B:657:SEP:CA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:C | 2:B:657:SEP:CB | 15 | 0.49 |
| (1,37) | 1:A:250:THR:C | 2:B:657:SEP:H | 15 | 0.49 |
| (1,37) | 1:A:250:THR:C | 2:B:657:SEP:HA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:C | 2:B:657:SEP:HB3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:C | 2:B:657:SEP:N | 15 | 0.49 |
| (1,37) | 1:A:250:THR:C | 2:B:657:SEP:O | 15 | 0.49 |
| (1,37) | 1:A:250:THR:C | 2:B:657:SEP:O1P | 15 | 0.49 |
| (1,37) | 1:A:250:THR:C | 2:B:657:SEP:O2P | 15 | 0.49 |
| (1,37) | 1:A:250:THR:C | 2:B:657:SEP:O3P | 15 | 0.49 |
| (1,37) | 1:A:250:THR:C | 2:B:657:SEP:OG | 15 | 0.49 |
| (1,37) | 1:A:250:THR:C | 2:B:657:SEP:P | 15 | 0.49 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:C | 15 | 0.49 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:CA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:CB | 15 | 0.49 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:CD1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:CD2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:CE1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:CE2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:CG | 15 | 0.49 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:CZ | 15 | 0.49 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:H | 15 | 0.49 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:HA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:HB2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:HB3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:HD1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:HD2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:HE1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:HE2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:HH | 15 | 0.49 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:N | 15 | 0.49 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:O | 15 | 0.49 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:OH | 15 | 0.49 |
| (1,37) | 1:A:250:THR:C | 2:B:659:NH2:HN1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:C | 2:B:659:NH2:HN2 | 15 | 0.49 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (1,37) | 1:A:250:THR:C | 2:B:659:NH2:N | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CA | 2:B:648:ACE:C | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CA | 2:B:648:ACE:CH3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CA | 2:B:648:ACE:H1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CA | 2:B:648:ACE:H2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CA | 2:B:648:ACE:H3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CA | 2:B:648:ACE:O | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CA | 2:B:649:ASP:C | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CA | 2:B:649:ASP:CA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CA | 2:B:649:ASP:CB | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CA | 2:B:649:ASP:CG | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CA | 2:B:649:ASP:H | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CA | 2:B:649:ASP:HA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CA | 2:B:649:ASP:HB2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CA | 2:B:649:ASP:HB3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CA | 2:B:649:ASP:N | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CA | 2:B:649:ASP:O | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CA | 2:B:649:ASP:OD1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CA | 2:B:649:ASP:OD2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CA | 2:B:650:GLN:C | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CA | 2:B:650:GLN:CA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CA | 2:B:650:GLN:CB | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CA | 2:B:650:GLN:CD | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CA | 2:B:650:GLN:CG | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CA | 2:B:650:GLN:H | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CA | 2:B:650:GLN:HA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CA | 2:B:650:GLN:HB2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CA | 2:B:650:GLN:HB3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CA | 2:B:650:GLN:HE21 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CA | 2:B:650:GLN:HE22 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CA | 2:B:650:GLN:HG2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CA | 2:B:650:GLN:HG3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CA | 2:B:650:GLN:N | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CA | 2:B:650:GLN:NE2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CA | 2:B:650:GLN:O | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CA | 2:B:650:GLN:OE1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CA | 2:B:651:SER:C | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CA | 2:B:651:SER:CA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CA | 2:B:651:SER:CB | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CA | 2:B:651:SER:H | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CA | 2:B:651:SER:HA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CA | 2:B:651:SER:HB2 | 15 | 0.49 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:CA | 2:B:651:SER:HB3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CA | 2:B:651:SER:HG | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CA | 2:B:651:SER:N | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CA | 2:B:651:SER:O | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CA | 2:B:651:SER:OG | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CA | 2:B:652:ASP:C | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CA | 2:B:652:ASP:CA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CA | 2:B:652:ASP:CB | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CA | 2:B:652:ASP:CG | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CA | 2:B:652:ASP:H | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CA | 2:B:652:ASP:HA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CA | 2:B:652:ASP:HB2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CA | 2:B:652:ASP:HB3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CA | 2:B:652:ASP:N | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CA | 2:B:652:ASP:O | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CA | 2:B:652:ASP:OD1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CA | 2:B:652:ASP:OD2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:C | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:CA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:CB | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:CD1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:CD2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:CE1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:CE2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:CG | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:CZ | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:H | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:HA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:HB2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:HB3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:HD1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:HD2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:HE1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:HE2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:HZ | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:N | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:O | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CA | 2:B:654:GLU:C | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CA | 2:B:654:GLU:CA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CA | 2:B:654:GLU:CB | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CA | 2:B:654:GLU:CD | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CA | 2:B:654:GLU:CG | 15 | 0.49 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:CA | 2:B:654:GLU:H | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CA | 2:B:654:GLU:HA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CA | 2:B:654:GLU:HB2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CA | 2:B:654:GLU:HB3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CA | 2:B:654:GLU:HG2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CA | 2:B:654:GLU:HG3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CA | 2:B:654:GLU:N | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CA | 2:B:654:GLU:O | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CA | 2:B:654:GLU:OE1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CA | 2:B:654:GLU:OE2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CA | 2:B:655:GLY:C | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CA | 2:B:655:GLY:CA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CA | 2:B:655:GLY:H | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CA | 2:B:655:GLY:HA2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CA | 2:B:655:GLY:HA3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CA | 2:B:655:GLY:N | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CA | 2:B:655:GLY:O | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:C | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:CA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:CB | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:CD1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:CD2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:CE1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:CE2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:CG | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:CZ | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:H | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:HA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:HB2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:HB3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:HD1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:HD2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:HE1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:HE2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:HZ | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:N | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:O | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CA | 2:B:657:SEP:C | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CA | 2:B:657:SEP:CA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CA | 2:B:657:SEP:CB | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CA | 2:B:657:SEP:H | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CA | 2:B:657:SEP:HA | 15 | 0.49 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:CA | 2:B:657:SEP:HB3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CA | 2:B:657:SEP:N | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CA | 2:B:657:SEP:O | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CA | 2:B:657:SEP:O1P | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CA | 2:B:657:SEP:O2P | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CA | 2:B:657:SEP:O3P | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CA | 2:B:657:SEP:OG | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CA | 2:B:657:SEP:P | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:C | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:CA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:CB | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:CD1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:CD2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:CE1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:CE2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:CG | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:CZ | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:H | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:HA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:HB2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:HB3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:HD1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:HD2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:HE1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:HE2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:HH | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:N | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:O | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:OH | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CA | 2:B:659:NH2:HN1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CA | 2:B:659:NH2:HN2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CA | 2:B:659:NH2:N | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CB | 2:B:648:ACE:C | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CB | 2:B:648:ACE:CH3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CB | 2:B:648:ACE:H1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CB | 2:B:648:ACE:H2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CB | 2:B:648:ACE:H3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CB | 2:B:648:ACE:O | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CB | 2:B:649:ASP:C | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CB | 2:B:649:ASP:CA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CB | 2:B:649:ASP:CB | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CB | 2:B:649:ASP:CG | 15 | 0.49 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (1,37) | 1:A:250:THR:CB | 2:B:649:ASP:H | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CB | 2:B:649:ASP:HA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CB | 2:B:649:ASP:HB2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CB | 2:B:649:ASP:HB3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CB | 2:B:649:ASP:N | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CB | 2:B:649:ASP:O | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CB | 2:B:649:ASP:OD1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CB | 2:B:649:ASP:OD2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CB | 2:B:650:GLN:C | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CB | 2:B:650:GLN:CA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CB | 2:B:650:GLN:CB | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CB | 2:B:650:GLN:CD | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CB | 2:B:650:GLN:CG | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CB | 2:B:650:GLN:H | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CB | 2:B:650:GLN:HA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CB | 2:B:650:GLN:HB2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CB | 2:B:650:GLN:HB3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CB | 2:B:650:GLN:HE21 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CB | 2:B:650:GLN:HE22 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CB | 2:B:650:GLN:HG2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CB | 2:B:650:GLN:HG3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CB | 2:B:650:GLN:N | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CB | 2:B:650:GLN:NE2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CB | 2:B:650:GLN:O | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CB | 2:B:650:GLN:OE1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CB | 2:B:651:SER:C | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CB | 2:B:651:SER:CA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CB | 2:B:651:SER:CB | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CB | 2:B:651:SER:H | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CB | 2:B:651:SER:HA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CB | 2:B:651:SER:HB2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CB | 2:B:651:SER:HB3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CB | 2:B:651:SER:HG | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CB | 2:B:651:SER:N | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CB | 2:B:651:SER:O | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CB | 2:B:651:SER:OG | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CB | 2:B:652:ASP:C | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CB | 2:B:652:ASP:CA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CB | 2:B:652:ASP:CB | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CB | 2:B:652:ASP:CG | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CB | 2:B:652:ASP:H | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CB | 2:B:652:ASP:HA | 15 | 0.49 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:CB | 2:B:652:ASP:HB2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CB | 2:B:652:ASP:HB3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CB | 2:B:652:ASP:N | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CB | 2:B:652:ASP:O | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CB | 2:B:652:ASP:OD1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CB | 2:B:652:ASP:OD2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:C | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:CA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:CB | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:CD1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:CD2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:CE1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:CE2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:CG | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:CZ | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:H | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:HA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:HB2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:HB3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:HD1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:HD2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:HE1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:HE2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:HZ | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:N | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:O | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CB | 2:B:654:GLU:C | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CB | 2:B:654:GLU:CA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CB | 2:B:654:GLU:CB | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CB | 2:B:654:GLU:CD | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CB | 2:B:654:GLU:CG | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CB | 2:B:654:GLU:H | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CB | 2:B:654:GLU:HA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CB | 2:B:654:GLU:HB2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CB | 2:B:654:GLU:HB3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CB | 2:B:654:GLU:HG2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CB | 2:B:654:GLU:HG3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CB | 2:B:654:GLU:N | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CB | 2:B:654:GLU:O | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CB | 2:B:654:GLU:OE1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CB | 2:B:654:GLU:OE2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CB | 2:B:655:GLY:C | 15 | 0.49 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:CB | 2:B:655:GLY:CA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CB | 2:B:655:GLY:H | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CB | 2:B:655:GLY:HA2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CB | 2:B:655:GLY:HA3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CB | 2:B:655:GLY:N | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CB | 2:B:655:GLY:O | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:C | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:CA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:CB | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:CD1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:CD2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:CE1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:CE2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:CG | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:CZ | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:H | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:HA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:HB2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:HB3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:HD1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:HD2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:HE1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:HE2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:HZ | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:N | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:O | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CB | 2:B:657:SEP:C | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CB | 2:B:657:SEP:CA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CB | 2:B:657:SEP:CB | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CB | 2:B:657:SEP:H | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CB | 2:B:657:SEP:HA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CB | 2:B:657:SEP:HB3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CB | 2:B:657:SEP:N | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CB | 2:B:657:SEP:O | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CB | 2:B:657:SEP:O1P | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CB | 2:B:657:SEP:O2P | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CB | 2:B:657:SEP:O3P | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CB | 2:B:657:SEP:OG | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CB | 2:B:657:SEP:P | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:C | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:CA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:CB | 15 | 0.49 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:CD1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:CD2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:CE1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:CE2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:CG | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:CZ | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:H | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:HA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:HB2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:HB3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:HD1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:HD2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:HE1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:HE2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:HH | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:N | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:O | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:OH | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CB | 2:B:659:NH2:HN1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CB | 2:B:659:NH2:HN2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CB | 2:B:659:NH2:N | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:648:ACE:C | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:648:ACE:CH3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:648:ACE:H1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:648:ACE:H2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:648:ACE:H3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:648:ACE:O | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:649:ASP:C | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:649:ASP:CA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:649:ASP:CB | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:649:ASP:CG | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:649:ASP:H | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:649:ASP:HA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:649:ASP:HB2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:649:ASP:HB3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:649:ASP:N | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:649:ASP:O | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:649:ASP:OD1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:649:ASP:OD2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:650:GLN:C | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:650:GLN:CA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:650:GLN:CB | 15 | 0.49 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|------------------|----------|---------------|
| (1,37) | 1:A:250:THR:CG2 | 2:B:650:GLN:CD | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:650:GLN:CG | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:650:GLN:H | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:650:GLN:HA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:650:GLN:HB2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:650:GLN:HB3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:650:GLN:HE21 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:650:GLN:HE22 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:650:GLN:HG2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:650:GLN:HG3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:650:GLN:N | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:650:GLN:NE2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:650:GLN:O | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:650:GLN:OE1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:651:SER:C | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:651:SER:CA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:651:SER:CB | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:651:SER:H | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:651:SER:HA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:651:SER:HB2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:651:SER:HB3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:651:SER:HG | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:651:SER:N | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:651:SER:O | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:651:SER:OG | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:652:ASP:C | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:652:ASP:CA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:652:ASP:CB | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:652:ASP:CG | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:652:ASP:H | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:652:ASP:HA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:652:ASP:HB2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:652:ASP:HB3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:652:ASP:N | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:652:ASP:O | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:652:ASP:OD1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:652:ASP:OD2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:C | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:CA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:CB | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:CD1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:CD2 | 15 | 0.49 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:CE1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:CE2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:CG | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:CZ | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:H | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:HA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:HB2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:HB3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:HD1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:HD2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:HE1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:HE2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:HZ | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:N | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:O | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:654:GLU:C | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:654:GLU:CA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:654:GLU:CB | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:654:GLU:CD | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:654:GLU:CG | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:654:GLU:H | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:654:GLU:HA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:654:GLU:HB2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:654:GLU:HB3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:654:GLU:HG2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:654:GLU:HG3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:654:GLU:N | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:654:GLU:O | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:654:GLU:OE1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:654:GLU:OE2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:655:GLY:C | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:655:GLY:CA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:655:GLY:H | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:655:GLY:HA2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:655:GLY:HA3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:655:GLY:N | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:655:GLY:O | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:C | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:CA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:CB | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:CD1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:CD2 | 15 | 0.49 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:CE1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:CE2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:CG | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:CZ | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:H | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:HA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:HB2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:HB3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:HD1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:HD2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:HE1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:HE2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:HZ | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:N | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:O | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:657:SEP:C | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:657:SEP:CA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:657:SEP:CB | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:657:SEP:H | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:657:SEP:HA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:657:SEP:HB3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:657:SEP:N | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:657:SEP:O | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:657:SEP:O1P | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:657:SEP:O2P | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:657:SEP:O3P | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:657:SEP:OG | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:657:SEP:P | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:C | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:CA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:CB | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:CD1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:CD2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:CE1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:CE2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:CG | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:CZ | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:H | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:HA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:HB2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:HB3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:HD1 | 15 | 0.49 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|------------------|----------|---------------|
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:HD2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:HE1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:HE2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:HH | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:N | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:O | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:OH | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:659:NH2:HN1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:659:NH2:HN2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:659:NH2:N | 15 | 0.49 |
| (1,37) | 1:A:250:THR:H | 2:B:648:ACE:C | 15 | 0.49 |
| (1,37) | 1:A:250:THR:H | 2:B:648:ACE:CH3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:H | 2:B:648:ACE:H1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:H | 2:B:648:ACE:H2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:H | 2:B:648:ACE:H3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:H | 2:B:648:ACE:O | 15 | 0.49 |
| (1,37) | 1:A:250:THR:H | 2:B:649:ASP:C | 15 | 0.49 |
| (1,37) | 1:A:250:THR:H | 2:B:649:ASP:CA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:H | 2:B:649:ASP:CB | 15 | 0.49 |
| (1,37) | 1:A:250:THR:H | 2:B:649:ASP:CG | 15 | 0.49 |
| (1,37) | 1:A:250:THR:H | 2:B:649:ASP:H | 15 | 0.49 |
| (1,37) | 1:A:250:THR:H | 2:B:649:ASP:HA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:H | 2:B:649:ASP:HB2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:H | 2:B:649:ASP:HB3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:H | 2:B:649:ASP:N | 15 | 0.49 |
| (1,37) | 1:A:250:THR:H | 2:B:649:ASP:O | 15 | 0.49 |
| (1,37) | 1:A:250:THR:H | 2:B:649:ASP:OD1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:H | 2:B:649:ASP:OD2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:H | 2:B:650:GLN:C | 15 | 0.49 |
| (1,37) | 1:A:250:THR:H | 2:B:650:GLN:CA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:H | 2:B:650:GLN:CB | 15 | 0.49 |
| (1,37) | 1:A:250:THR:H | 2:B:650:GLN:CD | 15 | 0.49 |
| (1,37) | 1:A:250:THR:H | 2:B:650:GLN:CG | 15 | 0.49 |
| (1,37) | 1:A:250:THR:H | 2:B:650:GLN:H | 15 | 0.49 |
| (1,37) | 1:A:250:THR:H | 2:B:650:GLN:HA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:H | 2:B:650:GLN:HB2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:H | 2:B:650:GLN:HB3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:H | 2:B:650:GLN:HE21 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:H | 2:B:650:GLN:HE22 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:H | 2:B:650:GLN:HG2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:H | 2:B:650:GLN:HG3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:H | 2:B:650:GLN:N | 15 | 0.49 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:H | 2:B:650:GLN:NE2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:H | 2:B:650:GLN:O | 15 | 0.49 |
| (1,37) | 1:A:250:THR:H | 2:B:650:GLN:OE1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:H | 2:B:651:SER:C | 15 | 0.49 |
| (1,37) | 1:A:250:THR:H | 2:B:651:SER:CA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:H | 2:B:651:SER:CB | 15 | 0.49 |
| (1,37) | 1:A:250:THR:H | 2:B:651:SER:H | 15 | 0.49 |
| (1,37) | 1:A:250:THR:H | 2:B:651:SER:HA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:H | 2:B:651:SER:HB2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:H | 2:B:651:SER:HB3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:H | 2:B:651:SER:HG | 15 | 0.49 |
| (1,37) | 1:A:250:THR:H | 2:B:651:SER:N | 15 | 0.49 |
| (1,37) | 1:A:250:THR:H | 2:B:651:SER:O | 15 | 0.49 |
| (1,37) | 1:A:250:THR:H | 2:B:651:SER:OG | 15 | 0.49 |
| (1,37) | 1:A:250:THR:H | 2:B:652:ASP:C | 15 | 0.49 |
| (1,37) | 1:A:250:THR:H | 2:B:652:ASP:CA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:H | 2:B:652:ASP:CB | 15 | 0.49 |
| (1,37) | 1:A:250:THR:H | 2:B:652:ASP:CG | 15 | 0.49 |
| (1,37) | 1:A:250:THR:H | 2:B:652:ASP:H | 15 | 0.49 |
| (1,37) | 1:A:250:THR:H | 2:B:652:ASP:HA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:H | 2:B:652:ASP:HB2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:H | 2:B:652:ASP:HB3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:H | 2:B:652:ASP:N | 15 | 0.49 |
| (1,37) | 1:A:250:THR:H | 2:B:652:ASP:O | 15 | 0.49 |
| (1,37) | 1:A:250:THR:H | 2:B:652:ASP:OD1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:H | 2:B:652:ASP:OD2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:C | 15 | 0.49 |
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:CA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:CB | 15 | 0.49 |
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:CD1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:CD2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:CE1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:CE2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:CG | 15 | 0.49 |
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:CZ | 15 | 0.49 |
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:H | 15 | 0.49 |
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:HA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:HB2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:HB3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:HD1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:HD2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:HE1 | 15 | 0.49 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:HE2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:HZ | 15 | 0.49 |
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:N | 15 | 0.49 |
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:O | 15 | 0.49 |
| (1,37) | 1:A:250:THR:H | 2:B:654:GLU:C | 15 | 0.49 |
| (1,37) | 1:A:250:THR:H | 2:B:654:GLU:CA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:H | 2:B:654:GLU:CB | 15 | 0.49 |
| (1,37) | 1:A:250:THR:H | 2:B:654:GLU:CD | 15 | 0.49 |
| (1,37) | 1:A:250:THR:H | 2:B:654:GLU:CG | 15 | 0.49 |
| (1,37) | 1:A:250:THR:H | 2:B:654:GLU:H | 15 | 0.49 |
| (1,37) | 1:A:250:THR:H | 2:B:654:GLU:HA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:H | 2:B:654:GLU:HB2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:H | 2:B:654:GLU:HB3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:H | 2:B:654:GLU:HG2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:H | 2:B:654:GLU:HG3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:H | 2:B:654:GLU:N | 15 | 0.49 |
| (1,37) | 1:A:250:THR:H | 2:B:654:GLU:O | 15 | 0.49 |
| (1,37) | 1:A:250:THR:H | 2:B:654:GLU:OE1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:H | 2:B:654:GLU:OE2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:H | 2:B:655:GLY:C | 15 | 0.49 |
| (1,37) | 1:A:250:THR:H | 2:B:655:GLY:CA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:H | 2:B:655:GLY:H | 15 | 0.49 |
| (1,37) | 1:A:250:THR:H | 2:B:655:GLY:HA2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:H | 2:B:655:GLY:HA3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:H | 2:B:655:GLY:N | 15 | 0.49 |
| (1,37) | 1:A:250:THR:H | 2:B:655:GLY:O | 15 | 0.49 |
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:C | 15 | 0.49 |
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:CA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:CB | 15 | 0.49 |
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:CD1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:CD2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:CE1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:CE2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:CG | 15 | 0.49 |
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:CZ | 15 | 0.49 |
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:H | 15 | 0.49 |
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:HA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:HB2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:HB3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:HD1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:HD2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:HE1 | 15 | 0.49 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:HE2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:HZ | 15 | 0.49 |
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:N | 15 | 0.49 |
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:O | 15 | 0.49 |
| (1,37) | 1:A:250:THR:H | 2:B:657:SEP:C | 15 | 0.49 |
| (1,37) | 1:A:250:THR:H | 2:B:657:SEP:CA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:H | 2:B:657:SEP:CB | 15 | 0.49 |
| (1,37) | 1:A:250:THR:H | 2:B:657:SEP:H | 15 | 0.49 |
| (1,37) | 1:A:250:THR:H | 2:B:657:SEP:HA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:H | 2:B:657:SEP:HB3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:H | 2:B:657:SEP:N | 15 | 0.49 |
| (1,37) | 1:A:250:THR:H | 2:B:657:SEP:O | 15 | 0.49 |
| (1,37) | 1:A:250:THR:H | 2:B:657:SEP:O1P | 15 | 0.49 |
| (1,37) | 1:A:250:THR:H | 2:B:657:SEP:O2P | 15 | 0.49 |
| (1,37) | 1:A:250:THR:H | 2:B:657:SEP:O3P | 15 | 0.49 |
| (1,37) | 1:A:250:THR:H | 2:B:657:SEP:OG | 15 | 0.49 |
| (1,37) | 1:A:250:THR:H | 2:B:657:SEP:P | 15 | 0.49 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:C | 15 | 0.49 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:CA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:CB | 15 | 0.49 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:CD1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:CD2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:CE1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:CE2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:CG | 15 | 0.49 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:CZ | 15 | 0.49 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:H | 15 | 0.49 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:HA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:HB2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:HB3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:HD1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:HD2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:HE1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:HE2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:HH | 15 | 0.49 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:N | 15 | 0.49 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:O | 15 | 0.49 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:OH | 15 | 0.49 |
| (1,37) | 1:A:250:THR:H | 2:B:659:NH2:HN1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:H | 2:B:659:NH2:HN2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:H | 2:B:659:NH2:N | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HA | 2:B:648:ACE:C | 15 | 0.49 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (1,37) | 1:A:250:THR:HA | 2:B:648:ACE:CH3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HA | 2:B:648:ACE:H1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HA | 2:B:648:ACE:H2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HA | 2:B:648:ACE:H3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HA | 2:B:648:ACE:O | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HA | 2:B:649:ASP:C | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HA | 2:B:649:ASP:CA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HA | 2:B:649:ASP:CB | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HA | 2:B:649:ASP:CG | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HA | 2:B:649:ASP:H | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HA | 2:B:649:ASP:HA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HA | 2:B:649:ASP:HB2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HA | 2:B:649:ASP:HB3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HA | 2:B:649:ASP:N | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HA | 2:B:649:ASP:O | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HA | 2:B:649:ASP:OD1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HA | 2:B:649:ASP:OD2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HA | 2:B:650:GLN:C | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HA | 2:B:650:GLN:CA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HA | 2:B:650:GLN:CB | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HA | 2:B:650:GLN:CD | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HA | 2:B:650:GLN:CG | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HA | 2:B:650:GLN:H | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HA | 2:B:650:GLN:HA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HA | 2:B:650:GLN:HB2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HA | 2:B:650:GLN:HB3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HA | 2:B:650:GLN:HE21 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HA | 2:B:650:GLN:HE22 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HA | 2:B:650:GLN:HG2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HA | 2:B:650:GLN:HG3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HA | 2:B:650:GLN:N | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HA | 2:B:650:GLN:NE2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HA | 2:B:650:GLN:O | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HA | 2:B:650:GLN:OE1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HA | 2:B:651:SER:C | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HA | 2:B:651:SER:CA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HA | 2:B:651:SER:CB | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HA | 2:B:651:SER:H | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HA | 2:B:651:SER:HA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HA | 2:B:651:SER:HB2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HA | 2:B:651:SER:HB3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HA | 2:B:651:SER:HG | 15 | 0.49 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:HA | 2:B:651:SER:N | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HA | 2:B:651:SER:O | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HA | 2:B:651:SER:OG | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HA | 2:B:652:ASP:C | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HA | 2:B:652:ASP:CA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HA | 2:B:652:ASP:CB | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HA | 2:B:652:ASP:CG | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HA | 2:B:652:ASP:H | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HA | 2:B:652:ASP:HA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HA | 2:B:652:ASP:HB2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HA | 2:B:652:ASP:HB3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HA | 2:B:652:ASP:N | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HA | 2:B:652:ASP:O | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HA | 2:B:652:ASP:OD1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HA | 2:B:652:ASP:OD2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:C | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:CA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:CB | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:CD1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:CD2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:CE1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:CE2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:CG | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:CZ | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:H | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:HA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:HB2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:HB3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:HD1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:HD2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:HE1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:HE2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:HZ | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:N | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:O | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HA | 2:B:654:GLU:C | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HA | 2:B:654:GLU:CA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HA | 2:B:654:GLU:CB | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HA | 2:B:654:GLU:CD | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HA | 2:B:654:GLU:CG | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HA | 2:B:654:GLU:H | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HA | 2:B:654:GLU:HA | 15 | 0.49 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:HA | 2:B:654:GLU:HB2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HA | 2:B:654:GLU:HB3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HA | 2:B:654:GLU:HG2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HA | 2:B:654:GLU:HG3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HA | 2:B:654:GLU:N | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HA | 2:B:654:GLU:O | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HA | 2:B:654:GLU:OE1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HA | 2:B:654:GLU:OE2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HA | 2:B:655:GLY:C | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HA | 2:B:655:GLY:CA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HA | 2:B:655:GLY:H | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HA | 2:B:655:GLY:HA2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HA | 2:B:655:GLY:HA3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HA | 2:B:655:GLY:N | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HA | 2:B:655:GLY:O | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:C | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:CA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:CB | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:CD1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:CD2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:CE1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:CE2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:CG | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:CZ | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:H | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:HA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:HB2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:HB3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:HD1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:HD2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:HE1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:HE2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:HZ | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:N | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:O | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HA | 2:B:657:SEP:C | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HA | 2:B:657:SEP:CA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HA | 2:B:657:SEP:CB | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HA | 2:B:657:SEP:H | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HA | 2:B:657:SEP:HA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HA | 2:B:657:SEP:HB3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HA | 2:B:657:SEP:N | 15 | 0.49 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:HA | 2:B:657:SEP:O | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HA | 2:B:657:SEP:O1P | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HA | 2:B:657:SEP:O2P | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HA | 2:B:657:SEP:O3P | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HA | 2:B:657:SEP:OG | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HA | 2:B:657:SEP:P | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:C | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:CA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:CB | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:CD1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:CD2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:CE1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:CE2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:CG | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:CZ | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:H | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:HA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:HB2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:HB3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:HD1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:HD2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:HE1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:HE2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:HH | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:N | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:O | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:OH | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HA | 2:B:659:NH2:HN1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HA | 2:B:659:NH2:HN2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HA | 2:B:659:NH2:N | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HB | 2:B:648:ACE:C | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HB | 2:B:648:ACE:CH3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HB | 2:B:648:ACE:H1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HB | 2:B:648:ACE:H2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HB | 2:B:648:ACE:H3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HB | 2:B:648:ACE:O | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HB | 2:B:649:ASP:C | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HB | 2:B:649:ASP:CA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HB | 2:B:649:ASP:CB | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HB | 2:B:649:ASP:CG | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HB | 2:B:649:ASP:H | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HB | 2:B:649:ASP:HA | 15 | 0.49 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (1,37) | 1:A:250:THR:HB | 2:B:649:ASP:HB2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HB | 2:B:649:ASP:HB3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HB | 2:B:649:ASP:N | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HB | 2:B:649:ASP:O | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HB | 2:B:649:ASP:OD1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HB | 2:B:649:ASP:OD2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HB | 2:B:650:GLN:C | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HB | 2:B:650:GLN:CA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HB | 2:B:650:GLN:CB | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HB | 2:B:650:GLN:CD | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HB | 2:B:650:GLN:CG | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HB | 2:B:650:GLN:H | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HB | 2:B:650:GLN:HA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HB | 2:B:650:GLN:HB2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HB | 2:B:650:GLN:HB3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HB | 2:B:650:GLN:HE21 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HB | 2:B:650:GLN:HE22 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HB | 2:B:650:GLN:HG2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HB | 2:B:650:GLN:HG3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HB | 2:B:650:GLN:N | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HB | 2:B:650:GLN:NE2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HB | 2:B:650:GLN:O | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HB | 2:B:650:GLN:OE1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HB | 2:B:651:SER:C | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HB | 2:B:651:SER:CA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HB | 2:B:651:SER:CB | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HB | 2:B:651:SER:H | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HB | 2:B:651:SER:HA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HB | 2:B:651:SER:HB2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HB | 2:B:651:SER:HB3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HB | 2:B:651:SER:HG | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HB | 2:B:651:SER:N | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HB | 2:B:651:SER:O | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HB | 2:B:651:SER:OG | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HB | 2:B:652:ASP:C | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HB | 2:B:652:ASP:CA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HB | 2:B:652:ASP:CB | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HB | 2:B:652:ASP:CG | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HB | 2:B:652:ASP:H | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HB | 2:B:652:ASP:HA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HB | 2:B:652:ASP:HB2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HB | 2:B:652:ASP:HB3 | 15 | 0.49 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:HB | 2:B:652:ASP:N | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HB | 2:B:652:ASP:O | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HB | 2:B:652:ASP:OD1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HB | 2:B:652:ASP:OD2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:C | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:CA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:CB | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:CD1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:CD2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:CE1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:CE2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:CG | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:CZ | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:H | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:HA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:HB2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:HB3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:HD1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:HD2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:HE1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:HE2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:HZ | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:N | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:O | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HB | 2:B:654:GLU:C | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HB | 2:B:654:GLU:CA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HB | 2:B:654:GLU:CB | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HB | 2:B:654:GLU:CD | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HB | 2:B:654:GLU:CG | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HB | 2:B:654:GLU:H | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HB | 2:B:654:GLU:HA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HB | 2:B:654:GLU:HB2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HB | 2:B:654:GLU:HB3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HB | 2:B:654:GLU:HG2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HB | 2:B:654:GLU:HG3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HB | 2:B:654:GLU:N | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HB | 2:B:654:GLU:O | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HB | 2:B:654:GLU:OE1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HB | 2:B:654:GLU:OE2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HB | 2:B:655:GLY:C | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HB | 2:B:655:GLY:CA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HB | 2:B:655:GLY:H | 15 | 0.49 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:HB | 2:B:655:GLY:HA2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HB | 2:B:655:GLY:HA3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HB | 2:B:655:GLY:N | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HB | 2:B:655:GLY:O | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:C | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:CA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:CB | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:CD1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:CD2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:CE1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:CE2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:CG | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:CZ | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:H | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:HA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:HB2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:HB3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:HD1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:HD2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:HE1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:HE2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:HZ | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:N | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:O | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HB | 2:B:657:SEP:C | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HB | 2:B:657:SEP:CA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HB | 2:B:657:SEP:CB | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HB | 2:B:657:SEP:H | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HB | 2:B:657:SEP:HA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HB | 2:B:657:SEP:HB3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HB | 2:B:657:SEP:N | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HB | 2:B:657:SEP:O | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HB | 2:B:657:SEP:O1P | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HB | 2:B:657:SEP:O2P | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HB | 2:B:657:SEP:O3P | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HB | 2:B:657:SEP:OG | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HB | 2:B:657:SEP:P | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:C | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:CA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:CB | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:CD1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:CD2 | 15 | 0.49 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:CE1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:CE2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:CG | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:CZ | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:H | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:HA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:HB2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:HB3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:HD1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:HD2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:HE1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:HE2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:HH | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:N | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:O | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:OH | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HB | 2:B:659:NH2:HN1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HB | 2:B:659:NH2:HN2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HB | 2:B:659:NH2:N | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:648:ACE:C | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:648:ACE:CH3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:648:ACE:H1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:648:ACE:H2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:648:ACE:H3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:648:ACE:O | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:649:ASP:C | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:649:ASP:CA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:649:ASP:CB | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:649:ASP:CG | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:649:ASP:H | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:649:ASP:HA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:649:ASP:HB2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:649:ASP:HB3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:649:ASP:N | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:649:ASP:O | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:649:ASP:OD1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:649:ASP:OD2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:650:GLN:C | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:650:GLN:CA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:650:GLN:CB | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:650:GLN:CD | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:650:GLN:CG | 15 | 0.49 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|------------------|----------|---------------|
| (1,37) | 1:A:250:THR:HG1 | 2:B:650:GLN:H | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:650:GLN:HA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:650:GLN:HB2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:650:GLN:HB3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:650:GLN:HE21 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:650:GLN:HE22 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:650:GLN:HG2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:650:GLN:HG3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:650:GLN:N | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:650:GLN:NE2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:650:GLN:O | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:650:GLN:OE1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:651:SER:C | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:651:SER:CA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:651:SER:CB | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:651:SER:H | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:651:SER:HA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:651:SER:HB2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:651:SER:HB3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:651:SER:HG | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:651:SER:N | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:651:SER:O | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:651:SER:OG | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:652:ASP:C | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:652:ASP:CA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:652:ASP:CB | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:652:ASP:CG | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:652:ASP:H | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:652:ASP:HA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:652:ASP:HB2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:652:ASP:HB3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:652:ASP:N | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:652:ASP:O | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:652:ASP:OD1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:652:ASP:OD2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:C | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:CA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:CB | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:CD1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:CD2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:CE1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:CE2 | 15 | 0.49 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:CG | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:CZ | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:H | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:HA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:HB2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:HB3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:HD1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:HD2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:HE1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:HE2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:HZ | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:N | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:O | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:654:GLU:C | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:654:GLU:CA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:654:GLU:CB | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:654:GLU:CD | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:654:GLU:CG | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:654:GLU:H | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:654:GLU:HA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:654:GLU:HB2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:654:GLU:HB3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:654:GLU:HG2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:654:GLU:HG3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:654:GLU:N | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:654:GLU:O | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:654:GLU:OE1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:654:GLU:OE2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:655:GLY:C | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:655:GLY:CA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:655:GLY:H | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:655:GLY:HA2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:655:GLY:HA3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:655:GLY:N | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:655:GLY:O | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:C | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:CA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:CB | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:CD1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:CD2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:CE1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:CE2 | 15 | 0.49 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:CG | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:CZ | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:H | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:HA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:HB2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:HB3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:HD1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:HD2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:HE1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:HE2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:HZ | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:N | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:O | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:657:SEP:C | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:657:SEP:CA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:657:SEP:CB | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:657:SEP:H | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:657:SEP:HA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:657:SEP:HB3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:657:SEP:N | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:657:SEP:O | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:657:SEP:O1P | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:657:SEP:O2P | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:657:SEP:O3P | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:657:SEP:OG | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:657:SEP:P | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:C | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:CA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:CB | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:CD1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:CD2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:CE1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:CE2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:CG | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:CZ | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:H | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:HA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:HB2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:HB3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:HD1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:HD2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:HE1 | 15 | 0.49 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|------------------|----------|---------------|
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:HE2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:HH | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:N | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:O | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:OH | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:659:NH2:HN1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:659:NH2:HN2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:659:NH2:N | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:648:ACE:C | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:648:ACE:CH3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:648:ACE:H1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:648:ACE:H2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:648:ACE:H3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:648:ACE:O | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:649:ASP:C | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:649:ASP:CA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:649:ASP:CB | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:649:ASP:CG | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:649:ASP:H | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:649:ASP:HA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:649:ASP:HB2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:649:ASP:HB3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:649:ASP:N | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:649:ASP:O | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:649:ASP:OD1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:649:ASP:OD2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:650:GLN:C | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:650:GLN:CA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:650:GLN:CB | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:650:GLN:CD | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:650:GLN:CG | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:650:GLN:H | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:650:GLN:HA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:650:GLN:HB2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:650:GLN:HB3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:650:GLN:HE21 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:650:GLN:HE22 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:650:GLN:HG2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:650:GLN:HG3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:650:GLN:N | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:650:GLN:NE2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:650:GLN:O | 15 | 0.49 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:HG21 | 2:B:650:GLN:OE1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:651:SER:C | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:651:SER:CA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:651:SER:CB | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:651:SER:H | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:651:SER:HA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:651:SER:HB2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:651:SER:HB3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:651:SER:HG | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:651:SER:N | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:651:SER:O | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:651:SER:OG | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:652:ASP:C | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:652:ASP:CA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:652:ASP:CB | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:652:ASP:CG | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:652:ASP:H | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:652:ASP:HA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:652:ASP:HB2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:652:ASP:HB3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:652:ASP:N | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:652:ASP:O | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:652:ASP:OD1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:652:ASP:OD2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:C | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:CA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:CB | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:CD1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:CD2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:CE1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:CE2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:CG | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:CZ | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:H | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:HA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:HB2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:HB3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:HD1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:HD2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:HE1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:HE2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:HZ | 15 | 0.49 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:N | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:O | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:654:GLU:C | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:654:GLU:CA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:654:GLU:CB | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:654:GLU:CD | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:654:GLU:CG | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:654:GLU:H | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:654:GLU:HA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:654:GLU:HB2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:654:GLU:HB3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:654:GLU:HG2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:654:GLU:HG3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:654:GLU:N | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:654:GLU:O | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:654:GLU:OE1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:654:GLU:OE2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:655:GLY:C | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:655:GLY:CA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:655:GLY:H | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:655:GLY:HA2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:655:GLY:HA3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:655:GLY:N | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:655:GLY:O | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:C | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:CA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:CB | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:CD1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:CD2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:CE1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:CE2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:CG | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:CZ | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:H | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:HA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:HB2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:HB3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:HD1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:HD2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:HE1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:HE2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:HZ | 15 | 0.49 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:N | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:O | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:657:SEP:C | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:657:SEP:CA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:657:SEP:CB | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:657:SEP:H | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:657:SEP:HA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:657:SEP:HB3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:657:SEP:N | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:657:SEP:O | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:657:SEP:O1P | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:657:SEP:O2P | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:657:SEP:O3P | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:657:SEP:OG | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:657:SEP:P | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:C | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:CA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:CB | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:CD1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:CD2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:CE1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:CE2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:CG | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:CZ | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:H | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:HA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:HB2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:HB3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:HD1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:HD2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:HE1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:HE2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:HH | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:N | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:O | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:OH | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:659:NH2:HN1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:659:NH2:HN2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:659:NH2:N | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:648:ACE:C | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:648:ACE:CH3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:648:ACE:H1 | 15 | 0.49 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|------------------|----------|---------------|
| (1,37) | 1:A:250:THR:HG22 | 2:B:648:ACE:H2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:648:ACE:H3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:648:ACE:O | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:649:ASP:C | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:649:ASP:CA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:649:ASP:CB | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:649:ASP:CG | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:649:ASP:H | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:649:ASP:HA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:649:ASP:HB2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:649:ASP:HB3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:649:ASP:N | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:649:ASP:O | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:649:ASP:OD1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:649:ASP:OD2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:650:GLN:C | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:650:GLN:CA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:650:GLN:CB | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:650:GLN:CD | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:650:GLN:CG | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:650:GLN:H | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:650:GLN:HA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:650:GLN:HB2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:650:GLN:HB3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:650:GLN:HE21 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:650:GLN:HE22 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:650:GLN:HG2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:650:GLN:HG3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:650:GLN:N | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:650:GLN:NE2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:650:GLN:O | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:650:GLN:OE1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:651:SER:C | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:651:SER:CA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:651:SER:CB | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:651:SER:H | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:651:SER:HA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:651:SER:HB2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:651:SER:HB3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:651:SER:HG | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:651:SER:N | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:651:SER:O | 15 | 0.49 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:HG22 | 2:B:651:SER:OG | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:652:ASP:C | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:652:ASP:CA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:652:ASP:CB | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:652:ASP:CG | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:652:ASP:H | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:652:ASP:HA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:652:ASP:HB2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:652:ASP:HB3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:652:ASP:N | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:652:ASP:O | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:652:ASP:OD1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:652:ASP:OD2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:C | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:CA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:CB | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:CD1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:CD2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:CE1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:CE2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:CG | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:CZ | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:H | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:HA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:HB2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:HB3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:HD1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:HD2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:HE1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:HE2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:HZ | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:N | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:O | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:654:GLU:C | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:654:GLU:CA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:654:GLU:CB | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:654:GLU:CD | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:654:GLU:CG | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:654:GLU:H | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:654:GLU:HA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:654:GLU:HB2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:654:GLU:HB3 | 15 | 0.49 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:HG22 | 2:B:654:GLU:HG2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:654:GLU:HG3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:654:GLU:N | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:654:GLU:O | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:654:GLU:OE1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:654:GLU:OE2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:655:GLY:C | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:655:GLY:CA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:655:GLY:H | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:655:GLY:HA2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:655:GLY:HA3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:655:GLY:N | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:655:GLY:O | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:C | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:CA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:CB | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:CD1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:CD2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:CE1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:CE2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:CG | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:CZ | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:H | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:HA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:HB2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:HB3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:HD1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:HD2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:HE1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:HE2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:HZ | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:N | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:O | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:657:SEP:C | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:657:SEP:CA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:657:SEP:CB | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:657:SEP:H | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:657:SEP:HA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:657:SEP:HB3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:657:SEP:N | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:657:SEP:O | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:657:SEP:O1P | 15 | 0.49 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:HG22 | 2:B:657:SEP:O2P | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:657:SEP:O3P | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:657:SEP:OG | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:657:SEP:P | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:C | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:CA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:CB | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:CD1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:CD2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:CE1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:CE2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:CG | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:CZ | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:H | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:HA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:HB2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:HB3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:HD1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:HD2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:HE1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:HE2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:HH | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:N | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:O | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:OH | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:659:NH2:HN1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:659:NH2:HN2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:659:NH2:N | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:648:ACE:C | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:648:ACE:CH3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:648:ACE:H1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:648:ACE:H2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:648:ACE:H3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:648:ACE:O | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:649:ASP:C | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:649:ASP:CA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:649:ASP:CB | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:649:ASP:CG | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:649:ASP:H | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:649:ASP:HA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:649:ASP:HB2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:649:ASP:HB3 | 15 | 0.49 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|------------------|----------|---------------|
| (1,37) | 1:A:250:THR:HG23 | 2:B:649:ASP:N | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:649:ASP:O | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:649:ASP:OD1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:649:ASP:OD2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:650:GLN:C | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:650:GLN:CA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:650:GLN:CB | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:650:GLN:CD | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:650:GLN:CG | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:650:GLN:H | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:650:GLN:HA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:650:GLN:HB2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:650:GLN:HB3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:650:GLN:HE21 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:650:GLN:HE22 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:650:GLN:HG2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:650:GLN:HG3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:650:GLN:N | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:650:GLN:NE2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:650:GLN:O | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:650:GLN:OE1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:651:SER:C | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:651:SER:CA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:651:SER:CB | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:651:SER:H | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:651:SER:HA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:651:SER:HB2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:651:SER:HB3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:651:SER:HG | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:651:SER:N | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:651:SER:O | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:651:SER:OG | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:652:ASP:C | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:652:ASP:CA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:652:ASP:CB | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:652:ASP:CG | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:652:ASP:H | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:652:ASP:HA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:652:ASP:HB2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:652:ASP:HB3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:652:ASP:N | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:652:ASP:O | 15 | 0.49 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:HG23 | 2:B:652:ASP:OD1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:652:ASP:OD2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:C | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:CA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:CB | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:CD1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:CD2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:CE1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:CE2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:CG | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:CZ | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:H | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:HA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:HB2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:HB3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:HD1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:HD2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:HE1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:HE2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:HZ | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:N | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:O | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:654:GLU:C | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:654:GLU:CA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:654:GLU:CB | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:654:GLU:CD | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:654:GLU:CG | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:654:GLU:H | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:654:GLU:HA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:654:GLU:HB2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:654:GLU:HB3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:654:GLU:HG2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:654:GLU:HG3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:654:GLU:N | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:654:GLU:O | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:654:GLU:OE1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:654:GLU:OE2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:655:GLY:C | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:655:GLY:CA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:655:GLY:H | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:655:GLY:HA2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:655:GLY:HA3 | 15 | 0.49 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:HG23 | 2:B:655:GLY:N | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:655:GLY:O | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:C | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:CA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:CB | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:CD1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:CD2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:CE1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:CE2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:CG | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:CZ | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:H | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:HA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:HB2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:HB3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:HD1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:HD2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:HE1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:HE2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:HZ | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:N | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:O | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:657:SEP:C | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:657:SEP:CA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:657:SEP:CB | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:657:SEP:H | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:657:SEP:HA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:657:SEP:HB3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:657:SEP:N | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:657:SEP:O | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:657:SEP:O1P | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:657:SEP:O2P | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:657:SEP:O3P | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:657:SEP:OG | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:657:SEP:P | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:C | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:CA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:CB | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:CD1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:CD2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:CE1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:CE2 | 15 | 0.49 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:CG | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:CZ | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:H | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:HA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:HB2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:HB3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:HD1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:HD2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:HE1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:HE2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:HH | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:N | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:O | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:OH | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:659:NH2:HN1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:659:NH2:HN2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:659:NH2:N | 15 | 0.49 |
| (1,37) | 1:A:250:THR:N | 2:B:648:ACE:C | 15 | 0.49 |
| (1,37) | 1:A:250:THR:N | 2:B:648:ACE:CH3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:N | 2:B:648:ACE:H1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:N | 2:B:648:ACE:H2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:N | 2:B:648:ACE:H3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:N | 2:B:648:ACE:O | 15 | 0.49 |
| (1,37) | 1:A:250:THR:N | 2:B:649:ASP:C | 15 | 0.49 |
| (1,37) | 1:A:250:THR:N | 2:B:649:ASP:CA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:N | 2:B:649:ASP:CB | 15 | 0.49 |
| (1,37) | 1:A:250:THR:N | 2:B:649:ASP:CG | 15 | 0.49 |
| (1,37) | 1:A:250:THR:N | 2:B:649:ASP:H | 15 | 0.49 |
| (1,37) | 1:A:250:THR:N | 2:B:649:ASP:HA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:N | 2:B:649:ASP:HB2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:N | 2:B:649:ASP:HB3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:N | 2:B:649:ASP:N | 15 | 0.49 |
| (1,37) | 1:A:250:THR:N | 2:B:649:ASP:O | 15 | 0.49 |
| (1,37) | 1:A:250:THR:N | 2:B:649:ASP:OD1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:N | 2:B:649:ASP:OD2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:N | 2:B:650:GLN:C | 15 | 0.49 |
| (1,37) | 1:A:250:THR:N | 2:B:650:GLN:CA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:N | 2:B:650:GLN:CB | 15 | 0.49 |
| (1,37) | 1:A:250:THR:N | 2:B:650:GLN:CD | 15 | 0.49 |
| (1,37) | 1:A:250:THR:N | 2:B:650:GLN:CG | 15 | 0.49 |
| (1,37) | 1:A:250:THR:N | 2:B:650:GLN:H | 15 | 0.49 |
| (1,37) | 1:A:250:THR:N | 2:B:650:GLN:HA | 15 | 0.49 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (1,37) | 1:A:250:THR:N | 2:B:650:GLN:HB2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:N | 2:B:650:GLN:HB3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:N | 2:B:650:GLN:HE21 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:N | 2:B:650:GLN:HE22 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:N | 2:B:650:GLN:HG2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:N | 2:B:650:GLN:HG3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:N | 2:B:650:GLN:N | 15 | 0.49 |
| (1,37) | 1:A:250:THR:N | 2:B:650:GLN:NE2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:N | 2:B:650:GLN:O | 15 | 0.49 |
| (1,37) | 1:A:250:THR:N | 2:B:650:GLN:OE1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:N | 2:B:651:SER:C | 15 | 0.49 |
| (1,37) | 1:A:250:THR:N | 2:B:651:SER:CA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:N | 2:B:651:SER:CB | 15 | 0.49 |
| (1,37) | 1:A:250:THR:N | 2:B:651:SER:H | 15 | 0.49 |
| (1,37) | 1:A:250:THR:N | 2:B:651:SER:HA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:N | 2:B:651:SER:HB2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:N | 2:B:651:SER:HB3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:N | 2:B:651:SER:HG | 15 | 0.49 |
| (1,37) | 1:A:250:THR:N | 2:B:651:SER:N | 15 | 0.49 |
| (1,37) | 1:A:250:THR:N | 2:B:651:SER:O | 15 | 0.49 |
| (1,37) | 1:A:250:THR:N | 2:B:651:SER:OG | 15 | 0.49 |
| (1,37) | 1:A:250:THR:N | 2:B:652:ASP:C | 15 | 0.49 |
| (1,37) | 1:A:250:THR:N | 2:B:652:ASP:CA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:N | 2:B:652:ASP:CB | 15 | 0.49 |
| (1,37) | 1:A:250:THR:N | 2:B:652:ASP:CG | 15 | 0.49 |
| (1,37) | 1:A:250:THR:N | 2:B:652:ASP:H | 15 | 0.49 |
| (1,37) | 1:A:250:THR:N | 2:B:652:ASP:HA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:N | 2:B:652:ASP:HB2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:N | 2:B:652:ASP:HB3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:N | 2:B:652:ASP:N | 15 | 0.49 |
| (1,37) | 1:A:250:THR:N | 2:B:652:ASP:O | 15 | 0.49 |
| (1,37) | 1:A:250:THR:N | 2:B:652:ASP:OD1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:N | 2:B:652:ASP:OD2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:C | 15 | 0.49 |
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:CA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:CB | 15 | 0.49 |
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:CD1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:CD2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:CE1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:CE2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:CG | 15 | 0.49 |
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:CZ | 15 | 0.49 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:H | 15 | 0.49 |
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:HA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:HB2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:HB3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:HD1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:HD2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:HE1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:HE2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:HZ | 15 | 0.49 |
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:N | 15 | 0.49 |
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:O | 15 | 0.49 |
| (1,37) | 1:A:250:THR:N | 2:B:654:GLU:C | 15 | 0.49 |
| (1,37) | 1:A:250:THR:N | 2:B:654:GLU:CA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:N | 2:B:654:GLU:CB | 15 | 0.49 |
| (1,37) | 1:A:250:THR:N | 2:B:654:GLU:CD | 15 | 0.49 |
| (1,37) | 1:A:250:THR:N | 2:B:654:GLU:CG | 15 | 0.49 |
| (1,37) | 1:A:250:THR:N | 2:B:654:GLU:H | 15 | 0.49 |
| (1,37) | 1:A:250:THR:N | 2:B:654:GLU:HA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:N | 2:B:654:GLU:HB2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:N | 2:B:654:GLU:HB3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:N | 2:B:654:GLU:HG2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:N | 2:B:654:GLU:HG3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:N | 2:B:654:GLU:N | 15 | 0.49 |
| (1,37) | 1:A:250:THR:N | 2:B:654:GLU:O | 15 | 0.49 |
| (1,37) | 1:A:250:THR:N | 2:B:654:GLU:OE1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:N | 2:B:654:GLU:OE2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:N | 2:B:655:GLY:C | 15 | 0.49 |
| (1,37) | 1:A:250:THR:N | 2:B:655:GLY:CA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:N | 2:B:655:GLY:H | 15 | 0.49 |
| (1,37) | 1:A:250:THR:N | 2:B:655:GLY:HA2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:N | 2:B:655:GLY:HA3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:N | 2:B:655:GLY:N | 15 | 0.49 |
| (1,37) | 1:A:250:THR:N | 2:B:655:GLY:O | 15 | 0.49 |
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:C | 15 | 0.49 |
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:CA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:CB | 15 | 0.49 |
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:CD1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:CD2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:CE1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:CE2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:CG | 15 | 0.49 |
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:CZ | 15 | 0.49 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:H | 15 | 0.49 |
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:HA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:HB2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:HB3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:HD1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:HD2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:HE1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:HE2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:HZ | 15 | 0.49 |
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:N | 15 | 0.49 |
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:O | 15 | 0.49 |
| (1,37) | 1:A:250:THR:N | 2:B:657:SEP:C | 15 | 0.49 |
| (1,37) | 1:A:250:THR:N | 2:B:657:SEP:CA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:N | 2:B:657:SEP:CB | 15 | 0.49 |
| (1,37) | 1:A:250:THR:N | 2:B:657:SEP:H | 15 | 0.49 |
| (1,37) | 1:A:250:THR:N | 2:B:657:SEP:HA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:N | 2:B:657:SEP:HB3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:N | 2:B:657:SEP:N | 15 | 0.49 |
| (1,37) | 1:A:250:THR:N | 2:B:657:SEP:O | 15 | 0.49 |
| (1,37) | 1:A:250:THR:N | 2:B:657:SEP:O1P | 15 | 0.49 |
| (1,37) | 1:A:250:THR:N | 2:B:657:SEP:O2P | 15 | 0.49 |
| (1,37) | 1:A:250:THR:N | 2:B:657:SEP:O3P | 15 | 0.49 |
| (1,37) | 1:A:250:THR:N | 2:B:657:SEP:OG | 15 | 0.49 |
| (1,37) | 1:A:250:THR:N | 2:B:657:SEP:P | 15 | 0.49 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:C | 15 | 0.49 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:CA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:CB | 15 | 0.49 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:CD1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:CD2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:CE1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:CE2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:CG | 15 | 0.49 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:CZ | 15 | 0.49 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:H | 15 | 0.49 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:HA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:HB2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:HB3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:HD1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:HD2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:HE1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:HE2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:HH | 15 | 0.49 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:N | 15 | 0.49 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:O | 15 | 0.49 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:OH | 15 | 0.49 |
| (1,37) | 1:A:250:THR:N | 2:B:659:NH2:HN1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:N | 2:B:659:NH2:HN2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:N | 2:B:659:NH2:N | 15 | 0.49 |
| (1,37) | 1:A:250:THR:O | 2:B:648:ACE:C | 15 | 0.49 |
| (1,37) | 1:A:250:THR:O | 2:B:648:ACE:CH3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:O | 2:B:648:ACE:H1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:O | 2:B:648:ACE:H2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:O | 2:B:648:ACE:H3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:O | 2:B:648:ACE:O | 15 | 0.49 |
| (1,37) | 1:A:250:THR:O | 2:B:649:ASP:C | 15 | 0.49 |
| (1,37) | 1:A:250:THR:O | 2:B:649:ASP:CA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:O | 2:B:649:ASP:CB | 15 | 0.49 |
| (1,37) | 1:A:250:THR:O | 2:B:649:ASP:CG | 15 | 0.49 |
| (1,37) | 1:A:250:THR:O | 2:B:649:ASP:H | 15 | 0.49 |
| (1,37) | 1:A:250:THR:O | 2:B:649:ASP:HA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:O | 2:B:649:ASP:HB2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:O | 2:B:649:ASP:HB3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:O | 2:B:649:ASP:N | 15 | 0.49 |
| (1,37) | 1:A:250:THR:O | 2:B:649:ASP:O | 15 | 0.49 |
| (1,37) | 1:A:250:THR:O | 2:B:649:ASP:OD1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:O | 2:B:649:ASP:OD2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:O | 2:B:650:GLN:C | 15 | 0.49 |
| (1,37) | 1:A:250:THR:O | 2:B:650:GLN:CA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:O | 2:B:650:GLN:CB | 15 | 0.49 |
| (1,37) | 1:A:250:THR:O | 2:B:650:GLN:CD | 15 | 0.49 |
| (1,37) | 1:A:250:THR:O | 2:B:650:GLN:CG | 15 | 0.49 |
| (1,37) | 1:A:250:THR:O | 2:B:650:GLN:H | 15 | 0.49 |
| (1,37) | 1:A:250:THR:O | 2:B:650:GLN:HA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:O | 2:B:650:GLN:HB2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:O | 2:B:650:GLN:HB3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:O | 2:B:650:GLN:HE21 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:O | 2:B:650:GLN:HE22 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:O | 2:B:650:GLN:HG2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:O | 2:B:650:GLN:HG3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:O | 2:B:650:GLN:N | 15 | 0.49 |
| (1,37) | 1:A:250:THR:O | 2:B:650:GLN:NE2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:O | 2:B:650:GLN:O | 15 | 0.49 |
| (1,37) | 1:A:250:THR:O | 2:B:650:GLN:OE1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:O | 2:B:651:SER:C | 15 | 0.49 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:O | 2:B:651:SER:CA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:O | 2:B:651:SER:CB | 15 | 0.49 |
| (1,37) | 1:A:250:THR:O | 2:B:651:SER:H | 15 | 0.49 |
| (1,37) | 1:A:250:THR:O | 2:B:651:SER:HA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:O | 2:B:651:SER:HB2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:O | 2:B:651:SER:HB3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:O | 2:B:651:SER:HG | 15 | 0.49 |
| (1,37) | 1:A:250:THR:O | 2:B:651:SER:N | 15 | 0.49 |
| (1,37) | 1:A:250:THR:O | 2:B:651:SER:O | 15 | 0.49 |
| (1,37) | 1:A:250:THR:O | 2:B:651:SER:OG | 15 | 0.49 |
| (1,37) | 1:A:250:THR:O | 2:B:652:ASP:C | 15 | 0.49 |
| (1,37) | 1:A:250:THR:O | 2:B:652:ASP:CA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:O | 2:B:652:ASP:CB | 15 | 0.49 |
| (1,37) | 1:A:250:THR:O | 2:B:652:ASP:CG | 15 | 0.49 |
| (1,37) | 1:A:250:THR:O | 2:B:652:ASP:H | 15 | 0.49 |
| (1,37) | 1:A:250:THR:O | 2:B:652:ASP:HA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:O | 2:B:652:ASP:HB2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:O | 2:B:652:ASP:HB3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:O | 2:B:652:ASP:N | 15 | 0.49 |
| (1,37) | 1:A:250:THR:O | 2:B:652:ASP:O | 15 | 0.49 |
| (1,37) | 1:A:250:THR:O | 2:B:652:ASP:OD1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:O | 2:B:652:ASP:OD2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:C | 15 | 0.49 |
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:CA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:CB | 15 | 0.49 |
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:CD1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:CD2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:CE1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:CE2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:CG | 15 | 0.49 |
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:CZ | 15 | 0.49 |
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:H | 15 | 0.49 |
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:HA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:HB2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:HB3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:HD1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:HD2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:HE1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:HE2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:HZ | 15 | 0.49 |
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:N | 15 | 0.49 |
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:O | 15 | 0.49 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:O | 2:B:654:GLU:C | 15 | 0.49 |
| (1,37) | 1:A:250:THR:O | 2:B:654:GLU:CA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:O | 2:B:654:GLU:CB | 15 | 0.49 |
| (1,37) | 1:A:250:THR:O | 2:B:654:GLU:CD | 15 | 0.49 |
| (1,37) | 1:A:250:THR:O | 2:B:654:GLU:CG | 15 | 0.49 |
| (1,37) | 1:A:250:THR:O | 2:B:654:GLU:H | 15 | 0.49 |
| (1,37) | 1:A:250:THR:O | 2:B:654:GLU:HA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:O | 2:B:654:GLU:HB2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:O | 2:B:654:GLU:HB3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:O | 2:B:654:GLU:HG2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:O | 2:B:654:GLU:HG3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:O | 2:B:654:GLU:N | 15 | 0.49 |
| (1,37) | 1:A:250:THR:O | 2:B:654:GLU:O | 15 | 0.49 |
| (1,37) | 1:A:250:THR:O | 2:B:654:GLU:OE1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:O | 2:B:654:GLU:OE2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:O | 2:B:655:GLY:C | 15 | 0.49 |
| (1,37) | 1:A:250:THR:O | 2:B:655:GLY:CA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:O | 2:B:655:GLY:H | 15 | 0.49 |
| (1,37) | 1:A:250:THR:O | 2:B:655:GLY:HA2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:O | 2:B:655:GLY:HA3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:O | 2:B:655:GLY:N | 15 | 0.49 |
| (1,37) | 1:A:250:THR:O | 2:B:655:GLY:O | 15 | 0.49 |
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:C | 15 | 0.49 |
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:CA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:CB | 15 | 0.49 |
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:CD1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:CD2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:CE1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:CE2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:CG | 15 | 0.49 |
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:CZ | 15 | 0.49 |
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:H | 15 | 0.49 |
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:HA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:HB2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:HB3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:HD1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:HD2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:HE1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:HE2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:HZ | 15 | 0.49 |
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:N | 15 | 0.49 |
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:O | 15 | 0.49 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:O | 2:B:657:SEP:C | 15 | 0.49 |
| (1,37) | 1:A:250:THR:O | 2:B:657:SEP:CA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:O | 2:B:657:SEP:CB | 15 | 0.49 |
| (1,37) | 1:A:250:THR:O | 2:B:657:SEP:H | 15 | 0.49 |
| (1,37) | 1:A:250:THR:O | 2:B:657:SEP:HA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:O | 2:B:657:SEP:HB3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:O | 2:B:657:SEP:N | 15 | 0.49 |
| (1,37) | 1:A:250:THR:O | 2:B:657:SEP:O | 15 | 0.49 |
| (1,37) | 1:A:250:THR:O | 2:B:657:SEP:O1P | 15 | 0.49 |
| (1,37) | 1:A:250:THR:O | 2:B:657:SEP:O2P | 15 | 0.49 |
| (1,37) | 1:A:250:THR:O | 2:B:657:SEP:O3P | 15 | 0.49 |
| (1,37) | 1:A:250:THR:O | 2:B:657:SEP:OG | 15 | 0.49 |
| (1,37) | 1:A:250:THR:O | 2:B:657:SEP:P | 15 | 0.49 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:C | 15 | 0.49 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:CA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:CB | 15 | 0.49 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:CD1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:CD2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:CE1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:CE2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:CG | 15 | 0.49 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:CZ | 15 | 0.49 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:H | 15 | 0.49 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:HA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:HB2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:HB3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:HD1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:HD2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:HE1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:HE2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:HH | 15 | 0.49 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:N | 15 | 0.49 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:O | 15 | 0.49 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:OH | 15 | 0.49 |
| (1,37) | 1:A:250:THR:O | 2:B:659:NH2:HN1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:O | 2:B:659:NH2:HN2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:O | 2:B:659:NH2:N | 15 | 0.49 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:648:ACE:C | 15 | 0.49 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:648:ACE:CH3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:648:ACE:H1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:648:ACE:H2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:648:ACE:H3 | 15 | 0.49 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|------------------|----------|---------------|
| (1,37) | 1:A:250:THR:OG1 | 2:B:648:ACE:O | 15 | 0.49 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:649:ASP:C | 15 | 0.49 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:649:ASP:CA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:649:ASP:CB | 15 | 0.49 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:649:ASP:CG | 15 | 0.49 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:649:ASP:H | 15 | 0.49 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:649:ASP:HA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:649:ASP:HB2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:649:ASP:HB3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:649:ASP:N | 15 | 0.49 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:649:ASP:O | 15 | 0.49 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:649:ASP:OD1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:649:ASP:OD2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:650:GLN:C | 15 | 0.49 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:650:GLN:CA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:650:GLN:CB | 15 | 0.49 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:650:GLN:CD | 15 | 0.49 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:650:GLN:CG | 15 | 0.49 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:650:GLN:H | 15 | 0.49 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:650:GLN:HA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:650:GLN:HB2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:650:GLN:HB3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:650:GLN:HE21 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:650:GLN:HE22 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:650:GLN:HG2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:650:GLN:HG3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:650:GLN:N | 15 | 0.49 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:650:GLN:NE2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:650:GLN:O | 15 | 0.49 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:650:GLN:OE1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:651:SER:C | 15 | 0.49 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:651:SER:CA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:651:SER:CB | 15 | 0.49 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:651:SER:H | 15 | 0.49 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:651:SER:HA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:651:SER:HB2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:651:SER:HB3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:651:SER:HG | 15 | 0.49 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:651:SER:N | 15 | 0.49 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:651:SER:O | 15 | 0.49 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:651:SER:OG | 15 | 0.49 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:652:ASP:C | 15 | 0.49 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:OG1 | 2:B:652:ASP:CA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:652:ASP:CB | 15 | 0.49 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:652:ASP:CG | 15 | 0.49 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:652:ASP:H | 15 | 0.49 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:652:ASP:HA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:652:ASP:HB2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:652:ASP:HB3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:652:ASP:N | 15 | 0.49 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:652:ASP:O | 15 | 0.49 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:652:ASP:OD1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:652:ASP:OD2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:C | 15 | 0.49 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:CA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:CB | 15 | 0.49 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:CD1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:CD2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:CE1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:CE2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:CG | 15 | 0.49 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:CZ | 15 | 0.49 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:H | 15 | 0.49 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:HA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:HB2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:HB3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:HD1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:HD2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:HE1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:HE2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:HZ | 15 | 0.49 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:N | 15 | 0.49 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:O | 15 | 0.49 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:654:GLU:C | 15 | 0.49 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:654:GLU:CA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:654:GLU:CB | 15 | 0.49 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:654:GLU:CD | 15 | 0.49 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:654:GLU:CG | 15 | 0.49 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:654:GLU:H | 15 | 0.49 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:654:GLU:HA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:654:GLU:HB2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:654:GLU:HB3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:654:GLU:HG2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:654:GLU:HG3 | 15 | 0.49 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:OG1 | 2:B:654:GLU:N | 15 | 0.49 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:654:GLU:O | 15 | 0.49 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:654:GLU:OE1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:654:GLU:OE2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:655:GLY:C | 15 | 0.49 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:655:GLY:CA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:655:GLY:H | 15 | 0.49 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:655:GLY:HA2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:655:GLY:HA3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:655:GLY:N | 15 | 0.49 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:655:GLY:O | 15 | 0.49 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:C | 15 | 0.49 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:CA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:CB | 15 | 0.49 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:CD1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:CD2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:CE1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:CE2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:CG | 15 | 0.49 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:CZ | 15 | 0.49 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:H | 15 | 0.49 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:HA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:HB2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:HB3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:HD1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:HD2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:HE1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:HE2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:HZ | 15 | 0.49 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:N | 15 | 0.49 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:O | 15 | 0.49 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:657:SEP:C | 15 | 0.49 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:657:SEP:CA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:657:SEP:CB | 15 | 0.49 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:657:SEP:H | 15 | 0.49 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:657:SEP:HA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:657:SEP:HB3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:657:SEP:N | 15 | 0.49 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:657:SEP:O | 15 | 0.49 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:657:SEP:O1P | 15 | 0.49 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:657:SEP:O2P | 15 | 0.49 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:657:SEP:O3P | 15 | 0.49 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:OG1 | 2:B:657:SEP:OG | 15 | 0.49 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:657:SEP:P | 15 | 0.49 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:C | 15 | 0.49 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:CA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:CB | 15 | 0.49 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:CD1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:CD2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:CE1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:CE2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:CG | 15 | 0.49 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:CZ | 15 | 0.49 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:H | 15 | 0.49 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:HA | 15 | 0.49 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:HB2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:HB3 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:HD1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:HD2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:HE1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:HE2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:HH | 15 | 0.49 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:N | 15 | 0.49 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:O | 15 | 0.49 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:OH | 15 | 0.49 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:659:NH2:HN1 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:659:NH2:HN2 | 15 | 0.49 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:659:NH2:N | 15 | 0.49 |
| (1,37) | 1:A:250:THR:C | 2:B:648:ACE:C | 12 | 0.44 |
| (1,37) | 1:A:250:THR:C | 2:B:648:ACE:CH3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:C | 2:B:648:ACE:H1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:C | 2:B:648:ACE:H2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:C | 2:B:648:ACE:H3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:C | 2:B:648:ACE:O | 12 | 0.44 |
| (1,37) | 1:A:250:THR:C | 2:B:649:ASP:C | 12 | 0.44 |
| (1,37) | 1:A:250:THR:C | 2:B:649:ASP:CA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:C | 2:B:649:ASP:CB | 12 | 0.44 |
| (1,37) | 1:A:250:THR:C | 2:B:649:ASP:CG | 12 | 0.44 |
| (1,37) | 1:A:250:THR:C | 2:B:649:ASP:H | 12 | 0.44 |
| (1,37) | 1:A:250:THR:C | 2:B:649:ASP:HA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:C | 2:B:649:ASP:HB2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:C | 2:B:649:ASP:HB3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:C | 2:B:649:ASP:N | 12 | 0.44 |
| (1,37) | 1:A:250:THR:C | 2:B:649:ASP:O | 12 | 0.44 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (1,37) | 1:A:250:THR:C | 2:B:649:ASP:OD1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:C | 2:B:649:ASP:OD2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:C | 2:B:650:GLN:C | 12 | 0.44 |
| (1,37) | 1:A:250:THR:C | 2:B:650:GLN:CA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:C | 2:B:650:GLN:CB | 12 | 0.44 |
| (1,37) | 1:A:250:THR:C | 2:B:650:GLN:CD | 12 | 0.44 |
| (1,37) | 1:A:250:THR:C | 2:B:650:GLN:CG | 12 | 0.44 |
| (1,37) | 1:A:250:THR:C | 2:B:650:GLN:H | 12 | 0.44 |
| (1,37) | 1:A:250:THR:C | 2:B:650:GLN:HA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:C | 2:B:650:GLN:HB2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:C | 2:B:650:GLN:HB3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:C | 2:B:650:GLN:HE21 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:C | 2:B:650:GLN:HE22 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:C | 2:B:650:GLN:HG2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:C | 2:B:650:GLN:HG3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:C | 2:B:650:GLN:N | 12 | 0.44 |
| (1,37) | 1:A:250:THR:C | 2:B:650:GLN:NE2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:C | 2:B:650:GLN:O | 12 | 0.44 |
| (1,37) | 1:A:250:THR:C | 2:B:650:GLN:OE1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:C | 2:B:651:SER:C | 12 | 0.44 |
| (1,37) | 1:A:250:THR:C | 2:B:651:SER:CA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:C | 2:B:651:SER:CB | 12 | 0.44 |
| (1,37) | 1:A:250:THR:C | 2:B:651:SER:H | 12 | 0.44 |
| (1,37) | 1:A:250:THR:C | 2:B:651:SER:HA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:C | 2:B:651:SER:HB2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:C | 2:B:651:SER:HB3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:C | 2:B:651:SER:HG | 12 | 0.44 |
| (1,37) | 1:A:250:THR:C | 2:B:651:SER:N | 12 | 0.44 |
| (1,37) | 1:A:250:THR:C | 2:B:651:SER:O | 12 | 0.44 |
| (1,37) | 1:A:250:THR:C | 2:B:651:SER:OG | 12 | 0.44 |
| (1,37) | 1:A:250:THR:C | 2:B:652:ASP:C | 12 | 0.44 |
| (1,37) | 1:A:250:THR:C | 2:B:652:ASP:CA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:C | 2:B:652:ASP:CB | 12 | 0.44 |
| (1,37) | 1:A:250:THR:C | 2:B:652:ASP:CG | 12 | 0.44 |
| (1,37) | 1:A:250:THR:C | 2:B:652:ASP:H | 12 | 0.44 |
| (1,37) | 1:A:250:THR:C | 2:B:652:ASP:HA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:C | 2:B:652:ASP:HB2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:C | 2:B:652:ASP:HB3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:C | 2:B:652:ASP:N | 12 | 0.44 |
| (1,37) | 1:A:250:THR:C | 2:B:652:ASP:O | 12 | 0.44 |
| (1,37) | 1:A:250:THR:C | 2:B:652:ASP:OD1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:C | 2:B:652:ASP:OD2 | 12 | 0.44 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:C | 12 | 0.44 |
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:CA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:CB | 12 | 0.44 |
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:CD1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:CD2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:CE1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:CE2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:CG | 12 | 0.44 |
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:CZ | 12 | 0.44 |
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:H | 12 | 0.44 |
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:HA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:HB2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:HB3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:HD1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:HD2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:HE1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:HE2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:HZ | 12 | 0.44 |
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:N | 12 | 0.44 |
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:O | 12 | 0.44 |
| (1,37) | 1:A:250:THR:C | 2:B:654:GLU:C | 12 | 0.44 |
| (1,37) | 1:A:250:THR:C | 2:B:654:GLU:CA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:C | 2:B:654:GLU:CB | 12 | 0.44 |
| (1,37) | 1:A:250:THR:C | 2:B:654:GLU:CD | 12 | 0.44 |
| (1,37) | 1:A:250:THR:C | 2:B:654:GLU:CG | 12 | 0.44 |
| (1,37) | 1:A:250:THR:C | 2:B:654:GLU:H | 12 | 0.44 |
| (1,37) | 1:A:250:THR:C | 2:B:654:GLU:HA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:C | 2:B:654:GLU:HB2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:C | 2:B:654:GLU:HB3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:C | 2:B:654:GLU:HG2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:C | 2:B:654:GLU:HG3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:C | 2:B:654:GLU:N | 12 | 0.44 |
| (1,37) | 1:A:250:THR:C | 2:B:654:GLU:O | 12 | 0.44 |
| (1,37) | 1:A:250:THR:C | 2:B:654:GLU:OE1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:C | 2:B:654:GLU:OE2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:C | 2:B:655:GLY:C | 12 | 0.44 |
| (1,37) | 1:A:250:THR:C | 2:B:655:GLY:CA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:C | 2:B:655:GLY:H | 12 | 0.44 |
| (1,37) | 1:A:250:THR:C | 2:B:655:GLY:HA2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:C | 2:B:655:GLY:HA3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:C | 2:B:655:GLY:N | 12 | 0.44 |
| (1,37) | 1:A:250:THR:C | 2:B:655:GLY:O | 12 | 0.44 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:C | 12 | 0.44 |
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:CA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:CB | 12 | 0.44 |
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:CD1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:CD2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:CE1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:CE2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:CG | 12 | 0.44 |
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:CZ | 12 | 0.44 |
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:H | 12 | 0.44 |
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:HA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:HB2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:HB3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:HD1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:HD2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:HE1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:HE2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:HZ | 12 | 0.44 |
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:N | 12 | 0.44 |
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:O | 12 | 0.44 |
| (1,37) | 1:A:250:THR:C | 2:B:657:SEP:C | 12 | 0.44 |
| (1,37) | 1:A:250:THR:C | 2:B:657:SEP:CA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:C | 2:B:657:SEP:CB | 12 | 0.44 |
| (1,37) | 1:A:250:THR:C | 2:B:657:SEP:H | 12 | 0.44 |
| (1,37) | 1:A:250:THR:C | 2:B:657:SEP:HA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:C | 2:B:657:SEP:HB3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:C | 2:B:657:SEP:N | 12 | 0.44 |
| (1,37) | 1:A:250:THR:C | 2:B:657:SEP:O | 12 | 0.44 |
| (1,37) | 1:A:250:THR:C | 2:B:657:SEP:O1P | 12 | 0.44 |
| (1,37) | 1:A:250:THR:C | 2:B:657:SEP:O2P | 12 | 0.44 |
| (1,37) | 1:A:250:THR:C | 2:B:657:SEP:O3P | 12 | 0.44 |
| (1,37) | 1:A:250:THR:C | 2:B:657:SEP:OG | 12 | 0.44 |
| (1,37) | 1:A:250:THR:C | 2:B:657:SEP:P | 12 | 0.44 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:C | 12 | 0.44 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:CA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:CB | 12 | 0.44 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:CD1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:CD2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:CE1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:CE2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:CG | 12 | 0.44 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:CZ | 12 | 0.44 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:H | 12 | 0.44 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:HA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:HB2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:HB3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:HD1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:HD2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:HE1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:HE2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:HH | 12 | 0.44 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:N | 12 | 0.44 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:O | 12 | 0.44 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:OH | 12 | 0.44 |
| (1,37) | 1:A:250:THR:C | 2:B:659:NH2:HN1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:C | 2:B:659:NH2:HN2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:C | 2:B:659:NH2:N | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CA | 2:B:648:ACE:C | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CA | 2:B:648:ACE:CH3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CA | 2:B:648:ACE:H1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CA | 2:B:648:ACE:H2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CA | 2:B:648:ACE:H3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CA | 2:B:648:ACE:O | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CA | 2:B:649:ASP:C | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CA | 2:B:649:ASP:CA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CA | 2:B:649:ASP:CB | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CA | 2:B:649:ASP:CG | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CA | 2:B:649:ASP:H | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CA | 2:B:649:ASP:HA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CA | 2:B:649:ASP:HB2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CA | 2:B:649:ASP:HB3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CA | 2:B:649:ASP:N | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CA | 2:B:649:ASP:O | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CA | 2:B:649:ASP:OD1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CA | 2:B:649:ASP:OD2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CA | 2:B:650:GLN:C | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CA | 2:B:650:GLN:CA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CA | 2:B:650:GLN:CB | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CA | 2:B:650:GLN:CD | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CA | 2:B:650:GLN:CG | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CA | 2:B:650:GLN:H | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CA | 2:B:650:GLN:HA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CA | 2:B:650:GLN:HB2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CA | 2:B:650:GLN:HB3 | 12 | 0.44 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (1,37) | 1:A:250:THR:CA | 2:B:650:GLN:HE21 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CA | 2:B:650:GLN:HE22 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CA | 2:B:650:GLN:HG2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CA | 2:B:650:GLN:HG3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CA | 2:B:650:GLN:N | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CA | 2:B:650:GLN:NE2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CA | 2:B:650:GLN:O | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CA | 2:B:650:GLN:OE1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CA | 2:B:651:SER:C | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CA | 2:B:651:SER:CA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CA | 2:B:651:SER:CB | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CA | 2:B:651:SER:H | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CA | 2:B:651:SER:HA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CA | 2:B:651:SER:HB2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CA | 2:B:651:SER:HB3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CA | 2:B:651:SER:HG | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CA | 2:B:651:SER:N | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CA | 2:B:651:SER:O | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CA | 2:B:651:SER:OG | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CA | 2:B:652:ASP:C | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CA | 2:B:652:ASP:CA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CA | 2:B:652:ASP:CB | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CA | 2:B:652:ASP:CG | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CA | 2:B:652:ASP:H | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CA | 2:B:652:ASP:HA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CA | 2:B:652:ASP:HB2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CA | 2:B:652:ASP:HB3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CA | 2:B:652:ASP:N | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CA | 2:B:652:ASP:O | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CA | 2:B:652:ASP:OD1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CA | 2:B:652:ASP:OD2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:C | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:CA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:CB | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:CD1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:CD2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:CE1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:CE2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:CG | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:CZ | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:H | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:HA | 12 | 0.44 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:HB2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:HB3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:HD1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:HD2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:HE1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:HE2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:HZ | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:N | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:O | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CA | 2:B:654:GLU:C | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CA | 2:B:654:GLU:CA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CA | 2:B:654:GLU:CB | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CA | 2:B:654:GLU:CD | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CA | 2:B:654:GLU:CG | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CA | 2:B:654:GLU:H | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CA | 2:B:654:GLU:HA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CA | 2:B:654:GLU:HB2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CA | 2:B:654:GLU:HB3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CA | 2:B:654:GLU:HG2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CA | 2:B:654:GLU:HG3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CA | 2:B:654:GLU:N | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CA | 2:B:654:GLU:O | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CA | 2:B:654:GLU:OE1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CA | 2:B:654:GLU:OE2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CA | 2:B:655:GLY:C | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CA | 2:B:655:GLY:CA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CA | 2:B:655:GLY:H | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CA | 2:B:655:GLY:HA2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CA | 2:B:655:GLY:HA3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CA | 2:B:655:GLY:N | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CA | 2:B:655:GLY:O | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:C | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:CA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:CB | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:CD1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:CD2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:CE1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:CE2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:CG | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:CZ | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:H | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:HA | 12 | 0.44 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:HB2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:HB3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:HD1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:HD2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:HE1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:HE2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:HZ | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:N | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:O | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CA | 2:B:657:SEP:C | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CA | 2:B:657:SEP:CA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CA | 2:B:657:SEP:CB | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CA | 2:B:657:SEP:H | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CA | 2:B:657:SEP:HA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CA | 2:B:657:SEP:HB3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CA | 2:B:657:SEP:N | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CA | 2:B:657:SEP:O | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CA | 2:B:657:SEP:O1P | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CA | 2:B:657:SEP:O2P | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CA | 2:B:657:SEP:O3P | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CA | 2:B:657:SEP:OG | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CA | 2:B:657:SEP:P | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:C | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:CA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:CB | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:CD1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:CD2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:CE1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:CE2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:CG | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:CZ | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:H | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:HA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:HB2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:HB3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:HD1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:HD2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:HE1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:HE2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:HH | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:N | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:O | 12 | 0.44 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:OH | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CA | 2:B:659:NH2:HN1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CA | 2:B:659:NH2:HN2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CA | 2:B:659:NH2:N | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CB | 2:B:648:ACE:C | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CB | 2:B:648:ACE:CH3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CB | 2:B:648:ACE:H1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CB | 2:B:648:ACE:H2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CB | 2:B:648:ACE:H3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CB | 2:B:648:ACE:O | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CB | 2:B:649:ASP:C | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CB | 2:B:649:ASP:CA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CB | 2:B:649:ASP:CB | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CB | 2:B:649:ASP:CG | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CB | 2:B:649:ASP:H | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CB | 2:B:649:ASP:HA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CB | 2:B:649:ASP:HB2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CB | 2:B:649:ASP:HB3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CB | 2:B:649:ASP:N | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CB | 2:B:649:ASP:O | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CB | 2:B:649:ASP:OD1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CB | 2:B:649:ASP:OD2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CB | 2:B:650:GLN:C | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CB | 2:B:650:GLN:CA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CB | 2:B:650:GLN:CB | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CB | 2:B:650:GLN:CD | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CB | 2:B:650:GLN:CG | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CB | 2:B:650:GLN:H | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CB | 2:B:650:GLN:HA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CB | 2:B:650:GLN:HB2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CB | 2:B:650:GLN:HB3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CB | 2:B:650:GLN:HE21 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CB | 2:B:650:GLN:HE22 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CB | 2:B:650:GLN:HG2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CB | 2:B:650:GLN:HG3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CB | 2:B:650:GLN:N | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CB | 2:B:650:GLN:NE2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CB | 2:B:650:GLN:O | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CB | 2:B:650:GLN:OE1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CB | 2:B:651:SER:C | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CB | 2:B:651:SER:CA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CB | 2:B:651:SER:CB | 12 | 0.44 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:CB | 2:B:651:SER:H | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CB | 2:B:651:SER:HA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CB | 2:B:651:SER:HB2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CB | 2:B:651:SER:HB3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CB | 2:B:651:SER:HG | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CB | 2:B:651:SER:N | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CB | 2:B:651:SER:O | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CB | 2:B:651:SER:OG | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CB | 2:B:652:ASP:C | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CB | 2:B:652:ASP:CA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CB | 2:B:652:ASP:CB | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CB | 2:B:652:ASP:CG | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CB | 2:B:652:ASP:H | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CB | 2:B:652:ASP:HA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CB | 2:B:652:ASP:HB2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CB | 2:B:652:ASP:HB3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CB | 2:B:652:ASP:N | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CB | 2:B:652:ASP:O | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CB | 2:B:652:ASP:OD1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CB | 2:B:652:ASP:OD2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:C | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:CA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:CB | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:CD1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:CD2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:CE1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:CE2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:CG | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:CZ | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:H | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:HA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:HB2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:HB3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:HD1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:HD2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:HE1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:HE2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:HZ | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:N | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:O | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CB | 2:B:654:GLU:C | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CB | 2:B:654:GLU:CA | 12 | 0.44 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:CB | 2:B:654:GLU:CB | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CB | 2:B:654:GLU:CD | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CB | 2:B:654:GLU:CG | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CB | 2:B:654:GLU:H | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CB | 2:B:654:GLU:HA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CB | 2:B:654:GLU:HB2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CB | 2:B:654:GLU:HB3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CB | 2:B:654:GLU:HG2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CB | 2:B:654:GLU:HG3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CB | 2:B:654:GLU:N | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CB | 2:B:654:GLU:O | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CB | 2:B:654:GLU:OE1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CB | 2:B:654:GLU:OE2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CB | 2:B:655:GLY:C | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CB | 2:B:655:GLY:CA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CB | 2:B:655:GLY:H | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CB | 2:B:655:GLY:HA2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CB | 2:B:655:GLY:HA3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CB | 2:B:655:GLY:N | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CB | 2:B:655:GLY:O | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:C | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:CA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:CB | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:CD1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:CD2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:CE1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:CE2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:CG | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:CZ | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:H | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:HA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:HB2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:HB3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:HD1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:HD2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:HE1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:HE2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:HZ | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:N | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:O | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CB | 2:B:657:SEP:C | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CB | 2:B:657:SEP:CA | 12 | 0.44 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:CB | 2:B:657:SEP:CB | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CB | 2:B:657:SEP:H | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CB | 2:B:657:SEP:HA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CB | 2:B:657:SEP:HB3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CB | 2:B:657:SEP:N | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CB | 2:B:657:SEP:O | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CB | 2:B:657:SEP:O1P | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CB | 2:B:657:SEP:O2P | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CB | 2:B:657:SEP:O3P | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CB | 2:B:657:SEP:OG | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CB | 2:B:657:SEP:P | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:C | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:CA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:CB | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:CD1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:CD2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:CE1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:CE2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:CG | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:CZ | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:H | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:HA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:HB2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:HB3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:HD1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:HD2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:HE1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:HE2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:HH | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:N | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:O | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:OH | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CB | 2:B:659:NH2:HN1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CB | 2:B:659:NH2:HN2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CB | 2:B:659:NH2:N | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:648:ACE:C | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:648:ACE:CH3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:648:ACE:H1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:648:ACE:H2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:648:ACE:H3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:648:ACE:O | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:649:ASP:C | 12 | 0.44 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|------------------|----------|---------------|
| (1,37) | 1:A:250:THR:CG2 | 2:B:649:ASP:CA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:649:ASP:CB | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:649:ASP:CG | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:649:ASP:H | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:649:ASP:HA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:649:ASP:HB2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:649:ASP:HB3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:649:ASP:N | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:649:ASP:O | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:649:ASP:OD1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:649:ASP:OD2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:650:GLN:C | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:650:GLN:CA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:650:GLN:CB | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:650:GLN:CD | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:650:GLN:CG | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:650:GLN:H | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:650:GLN:HA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:650:GLN:HB2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:650:GLN:HB3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:650:GLN:HE21 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:650:GLN:HE22 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:650:GLN:HG2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:650:GLN:HG3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:650:GLN:N | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:650:GLN:NE2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:650:GLN:O | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:650:GLN:OE1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:651:SER:C | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:651:SER:CA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:651:SER:CB | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:651:SER:H | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:651:SER:HA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:651:SER:HB2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:651:SER:HB3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:651:SER:HG | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:651:SER:N | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:651:SER:O | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:651:SER:OG | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:652:ASP:C | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:652:ASP:CA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:652:ASP:CB | 12 | 0.44 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:CG2 | 2:B:652:ASP:CG | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:652:ASP:H | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:652:ASP:HA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:652:ASP:HB2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:652:ASP:HB3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:652:ASP:N | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:652:ASP:O | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:652:ASP:OD1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:652:ASP:OD2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:C | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:CA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:CB | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:CD1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:CD2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:CE1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:CE2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:CG | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:CZ | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:H | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:HA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:HB2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:HB3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:HD1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:HD2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:HE1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:HE2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:HZ | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:N | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:O | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:654:GLU:C | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:654:GLU:CA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:654:GLU:CB | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:654:GLU:CD | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:654:GLU:CG | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:654:GLU:H | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:654:GLU:HA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:654:GLU:HB2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:654:GLU:HB3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:654:GLU:HG2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:654:GLU:HG3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:654:GLU:N | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:654:GLU:O | 12 | 0.44 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:CG2 | 2:B:654:GLU:OE1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:654:GLU:OE2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:655:GLY:C | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:655:GLY:CA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:655:GLY:H | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:655:GLY:HA2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:655:GLY:HA3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:655:GLY:N | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:655:GLY:O | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:C | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:CA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:CB | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:CD1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:CD2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:CE1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:CE2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:CG | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:CZ | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:H | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:HA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:HB2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:HB3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:HD1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:HD2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:HE1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:HE2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:HZ | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:N | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:O | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:657:SEP:C | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:657:SEP:CA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:657:SEP:CB | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:657:SEP:H | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:657:SEP:HA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:657:SEP:HB3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:657:SEP:N | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:657:SEP:O | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:657:SEP:O1P | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:657:SEP:O2P | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:657:SEP:O3P | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:657:SEP:OG | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:657:SEP:P | 12 | 0.44 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:C | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:CA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:CB | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:CD1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:CD2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:CE1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:CE2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:CG | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:CZ | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:H | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:HA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:HB2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:HB3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:HD1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:HD2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:HE1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:HE2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:HH | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:N | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:O | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:OH | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:659:NH2:HN1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:659:NH2:HN2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:659:NH2:N | 12 | 0.44 |
| (1,37) | 1:A:250:THR:H | 2:B:648:ACE:C | 12 | 0.44 |
| (1,37) | 1:A:250:THR:H | 2:B:648:ACE:CH3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:H | 2:B:648:ACE:H1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:H | 2:B:648:ACE:H2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:H | 2:B:648:ACE:H3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:H | 2:B:648:ACE:O | 12 | 0.44 |
| (1,37) | 1:A:250:THR:H | 2:B:649:ASP:C | 12 | 0.44 |
| (1,37) | 1:A:250:THR:H | 2:B:649:ASP:CA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:H | 2:B:649:ASP:CB | 12 | 0.44 |
| (1,37) | 1:A:250:THR:H | 2:B:649:ASP:CG | 12 | 0.44 |
| (1,37) | 1:A:250:THR:H | 2:B:649:ASP:H | 12 | 0.44 |
| (1,37) | 1:A:250:THR:H | 2:B:649:ASP:HA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:H | 2:B:649:ASP:HB2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:H | 2:B:649:ASP:HB3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:H | 2:B:649:ASP:N | 12 | 0.44 |
| (1,37) | 1:A:250:THR:H | 2:B:649:ASP:O | 12 | 0.44 |
| (1,37) | 1:A:250:THR:H | 2:B:649:ASP:OD1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:H | 2:B:649:ASP:OD2 | 12 | 0.44 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (1,37) | 1:A:250:THR:H | 2:B:650:GLN:C | 12 | 0.44 |
| (1,37) | 1:A:250:THR:H | 2:B:650:GLN:CA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:H | 2:B:650:GLN:CB | 12 | 0.44 |
| (1,37) | 1:A:250:THR:H | 2:B:650:GLN:CD | 12 | 0.44 |
| (1,37) | 1:A:250:THR:H | 2:B:650:GLN:CG | 12 | 0.44 |
| (1,37) | 1:A:250:THR:H | 2:B:650:GLN:H | 12 | 0.44 |
| (1,37) | 1:A:250:THR:H | 2:B:650:GLN:HA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:H | 2:B:650:GLN:HB2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:H | 2:B:650:GLN:HB3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:H | 2:B:650:GLN:HE21 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:H | 2:B:650:GLN:HE22 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:H | 2:B:650:GLN:HG2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:H | 2:B:650:GLN:HG3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:H | 2:B:650:GLN:N | 12 | 0.44 |
| (1,37) | 1:A:250:THR:H | 2:B:650:GLN:NE2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:H | 2:B:650:GLN:O | 12 | 0.44 |
| (1,37) | 1:A:250:THR:H | 2:B:650:GLN:OE1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:H | 2:B:651:SER:C | 12 | 0.44 |
| (1,37) | 1:A:250:THR:H | 2:B:651:SER:CA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:H | 2:B:651:SER:CB | 12 | 0.44 |
| (1,37) | 1:A:250:THR:H | 2:B:651:SER:H | 12 | 0.44 |
| (1,37) | 1:A:250:THR:H | 2:B:651:SER:HA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:H | 2:B:651:SER:HB2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:H | 2:B:651:SER:HB3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:H | 2:B:651:SER:HG | 12 | 0.44 |
| (1,37) | 1:A:250:THR:H | 2:B:651:SER:N | 12 | 0.44 |
| (1,37) | 1:A:250:THR:H | 2:B:651:SER:O | 12 | 0.44 |
| (1,37) | 1:A:250:THR:H | 2:B:651:SER:OG | 12 | 0.44 |
| (1,37) | 1:A:250:THR:H | 2:B:652:ASP:C | 12 | 0.44 |
| (1,37) | 1:A:250:THR:H | 2:B:652:ASP:CA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:H | 2:B:652:ASP:CB | 12 | 0.44 |
| (1,37) | 1:A:250:THR:H | 2:B:652:ASP:CG | 12 | 0.44 |
| (1,37) | 1:A:250:THR:H | 2:B:652:ASP:H | 12 | 0.44 |
| (1,37) | 1:A:250:THR:H | 2:B:652:ASP:HA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:H | 2:B:652:ASP:HB2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:H | 2:B:652:ASP:HB3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:H | 2:B:652:ASP:N | 12 | 0.44 |
| (1,37) | 1:A:250:THR:H | 2:B:652:ASP:O | 12 | 0.44 |
| (1,37) | 1:A:250:THR:H | 2:B:652:ASP:OD1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:H | 2:B:652:ASP:OD2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:C | 12 | 0.44 |
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:CA | 12 | 0.44 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:CB | 12 | 0.44 |
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:CD1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:CD2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:CE1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:CE2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:CG | 12 | 0.44 |
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:CZ | 12 | 0.44 |
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:H | 12 | 0.44 |
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:HA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:HB2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:HB3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:HD1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:HD2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:HE1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:HE2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:HZ | 12 | 0.44 |
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:N | 12 | 0.44 |
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:O | 12 | 0.44 |
| (1,37) | 1:A:250:THR:H | 2:B:654:GLU:C | 12 | 0.44 |
| (1,37) | 1:A:250:THR:H | 2:B:654:GLU:CA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:H | 2:B:654:GLU:CB | 12 | 0.44 |
| (1,37) | 1:A:250:THR:H | 2:B:654:GLU:CD | 12 | 0.44 |
| (1,37) | 1:A:250:THR:H | 2:B:654:GLU:CG | 12 | 0.44 |
| (1,37) | 1:A:250:THR:H | 2:B:654:GLU:H | 12 | 0.44 |
| (1,37) | 1:A:250:THR:H | 2:B:654:GLU:HA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:H | 2:B:654:GLU:HB2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:H | 2:B:654:GLU:HB3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:H | 2:B:654:GLU:HG2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:H | 2:B:654:GLU:HG3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:H | 2:B:654:GLU:N | 12 | 0.44 |
| (1,37) | 1:A:250:THR:H | 2:B:654:GLU:O | 12 | 0.44 |
| (1,37) | 1:A:250:THR:H | 2:B:654:GLU:OE1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:H | 2:B:654:GLU:OE2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:H | 2:B:655:GLY:C | 12 | 0.44 |
| (1,37) | 1:A:250:THR:H | 2:B:655:GLY:CA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:H | 2:B:655:GLY:H | 12 | 0.44 |
| (1,37) | 1:A:250:THR:H | 2:B:655:GLY:HA2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:H | 2:B:655:GLY:HA3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:H | 2:B:655:GLY:N | 12 | 0.44 |
| (1,37) | 1:A:250:THR:H | 2:B:655:GLY:O | 12 | 0.44 |
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:C | 12 | 0.44 |
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:CA | 12 | 0.44 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:CB | 12 | 0.44 |
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:CD1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:CD2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:CE1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:CE2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:CG | 12 | 0.44 |
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:CZ | 12 | 0.44 |
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:H | 12 | 0.44 |
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:HA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:HB2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:HB3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:HD1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:HD2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:HE1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:HE2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:HZ | 12 | 0.44 |
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:N | 12 | 0.44 |
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:O | 12 | 0.44 |
| (1,37) | 1:A:250:THR:H | 2:B:657:SEP:C | 12 | 0.44 |
| (1,37) | 1:A:250:THR:H | 2:B:657:SEP:CA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:H | 2:B:657:SEP:CB | 12 | 0.44 |
| (1,37) | 1:A:250:THR:H | 2:B:657:SEP:H | 12 | 0.44 |
| (1,37) | 1:A:250:THR:H | 2:B:657:SEP:HA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:H | 2:B:657:SEP:HB3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:H | 2:B:657:SEP:N | 12 | 0.44 |
| (1,37) | 1:A:250:THR:H | 2:B:657:SEP:O | 12 | 0.44 |
| (1,37) | 1:A:250:THR:H | 2:B:657:SEP:O1P | 12 | 0.44 |
| (1,37) | 1:A:250:THR:H | 2:B:657:SEP:O2P | 12 | 0.44 |
| (1,37) | 1:A:250:THR:H | 2:B:657:SEP:O3P | 12 | 0.44 |
| (1,37) | 1:A:250:THR:H | 2:B:657:SEP:OG | 12 | 0.44 |
| (1,37) | 1:A:250:THR:H | 2:B:657:SEP:P | 12 | 0.44 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:C | 12 | 0.44 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:CA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:CB | 12 | 0.44 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:CD1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:CD2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:CE1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:CE2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:CG | 12 | 0.44 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:CZ | 12 | 0.44 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:H | 12 | 0.44 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:HA | 12 | 0.44 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:HB2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:HB3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:HD1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:HD2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:HE1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:HE2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:HH | 12 | 0.44 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:N | 12 | 0.44 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:O | 12 | 0.44 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:OH | 12 | 0.44 |
| (1,37) | 1:A:250:THR:H | 2:B:659:NH2:HN1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:H | 2:B:659:NH2:HN2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:H | 2:B:659:NH2:N | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HA | 2:B:648:ACE:C | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HA | 2:B:648:ACE:CH3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HA | 2:B:648:ACE:H1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HA | 2:B:648:ACE:H2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HA | 2:B:648:ACE:H3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HA | 2:B:648:ACE:O | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HA | 2:B:649:ASP:C | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HA | 2:B:649:ASP:CA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HA | 2:B:649:ASP:CB | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HA | 2:B:649:ASP:CG | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HA | 2:B:649:ASP:H | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HA | 2:B:649:ASP:HA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HA | 2:B:649:ASP:HB2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HA | 2:B:649:ASP:HB3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HA | 2:B:649:ASP:N | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HA | 2:B:649:ASP:O | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HA | 2:B:649:ASP:OD1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HA | 2:B:649:ASP:OD2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HA | 2:B:650:GLN:C | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HA | 2:B:650:GLN:CA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HA | 2:B:650:GLN:CB | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HA | 2:B:650:GLN:CD | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HA | 2:B:650:GLN:CG | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HA | 2:B:650:GLN:H | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HA | 2:B:650:GLN:HA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HA | 2:B:650:GLN:HB2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HA | 2:B:650:GLN:HB3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HA | 2:B:650:GLN:HE21 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HA | 2:B:650:GLN:HE22 | 12 | 0.44 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:HA | 2:B:650:GLN:HG2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HA | 2:B:650:GLN:HG3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HA | 2:B:650:GLN:N | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HA | 2:B:650:GLN:NE2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HA | 2:B:650:GLN:O | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HA | 2:B:650:GLN:OE1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HA | 2:B:651:SER:C | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HA | 2:B:651:SER:CA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HA | 2:B:651:SER:CB | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HA | 2:B:651:SER:H | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HA | 2:B:651:SER:HA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HA | 2:B:651:SER:HB2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HA | 2:B:651:SER:HB3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HA | 2:B:651:SER:HG | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HA | 2:B:651:SER:N | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HA | 2:B:651:SER:O | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HA | 2:B:651:SER:OG | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HA | 2:B:652:ASP:C | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HA | 2:B:652:ASP:CA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HA | 2:B:652:ASP:CB | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HA | 2:B:652:ASP:CG | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HA | 2:B:652:ASP:H | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HA | 2:B:652:ASP:HA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HA | 2:B:652:ASP:HB2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HA | 2:B:652:ASP:HB3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HA | 2:B:652:ASP:N | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HA | 2:B:652:ASP:O | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HA | 2:B:652:ASP:OD1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HA | 2:B:652:ASP:OD2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:C | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:CA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:CB | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:CD1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:CD2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:CE1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:CE2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:CG | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:CZ | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:H | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:HA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:HB2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:HB3 | 12 | 0.44 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:HD1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:HD2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:HE1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:HE2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:HZ | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:N | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:O | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HA | 2:B:654:GLU:C | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HA | 2:B:654:GLU:CA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HA | 2:B:654:GLU:CB | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HA | 2:B:654:GLU:CD | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HA | 2:B:654:GLU:CG | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HA | 2:B:654:GLU:H | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HA | 2:B:654:GLU:HA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HA | 2:B:654:GLU:HB2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HA | 2:B:654:GLU:HB3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HA | 2:B:654:GLU:HG2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HA | 2:B:654:GLU:HG3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HA | 2:B:654:GLU:N | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HA | 2:B:654:GLU:O | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HA | 2:B:654:GLU:OE1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HA | 2:B:654:GLU:OE2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HA | 2:B:655:GLY:C | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HA | 2:B:655:GLY:CA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HA | 2:B:655:GLY:H | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HA | 2:B:655:GLY:HA2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HA | 2:B:655:GLY:HA3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HA | 2:B:655:GLY:N | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HA | 2:B:655:GLY:O | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:C | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:CA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:CB | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:CD1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:CD2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:CE1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:CE2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:CG | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:CZ | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:H | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:HA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:HB2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:HB3 | 12 | 0.44 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:HD1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:HD2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:HE1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:HE2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:HZ | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:N | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:O | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HA | 2:B:657:SEP:C | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HA | 2:B:657:SEP:CA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HA | 2:B:657:SEP:CB | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HA | 2:B:657:SEP:H | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HA | 2:B:657:SEP:HA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HA | 2:B:657:SEP:HB3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HA | 2:B:657:SEP:N | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HA | 2:B:657:SEP:O | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HA | 2:B:657:SEP:O1P | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HA | 2:B:657:SEP:O2P | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HA | 2:B:657:SEP:O3P | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HA | 2:B:657:SEP:OG | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HA | 2:B:657:SEP:P | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:C | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:CA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:CB | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:CD1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:CD2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:CE1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:CE2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:CG | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:CZ | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:H | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:HA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:HB2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:HB3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:HD1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:HD2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:HE1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:HE2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:HH | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:N | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:O | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:OH | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HA | 2:B:659:NH2:HN1 | 12 | 0.44 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (1,37) | 1:A:250:THR:HA | 2:B:659:NH2:HN2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HA | 2:B:659:NH2:N | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HB | 2:B:648:ACE:C | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HB | 2:B:648:ACE:CH3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HB | 2:B:648:ACE:H1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HB | 2:B:648:ACE:H2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HB | 2:B:648:ACE:H3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HB | 2:B:648:ACE:O | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HB | 2:B:649:ASP:C | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HB | 2:B:649:ASP:CA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HB | 2:B:649:ASP:CB | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HB | 2:B:649:ASP:CG | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HB | 2:B:649:ASP:H | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HB | 2:B:649:ASP:HA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HB | 2:B:649:ASP:HB2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HB | 2:B:649:ASP:HB3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HB | 2:B:649:ASP:N | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HB | 2:B:649:ASP:O | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HB | 2:B:649:ASP:OD1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HB | 2:B:649:ASP:OD2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HB | 2:B:650:GLN:C | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HB | 2:B:650:GLN:CA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HB | 2:B:650:GLN:CB | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HB | 2:B:650:GLN:CD | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HB | 2:B:650:GLN:CG | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HB | 2:B:650:GLN:H | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HB | 2:B:650:GLN:HA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HB | 2:B:650:GLN:HB2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HB | 2:B:650:GLN:HB3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HB | 2:B:650:GLN:HE21 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HB | 2:B:650:GLN:HE22 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HB | 2:B:650:GLN:HG2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HB | 2:B:650:GLN:HG3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HB | 2:B:650:GLN:N | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HB | 2:B:650:GLN:NE2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HB | 2:B:650:GLN:O | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HB | 2:B:650:GLN:OE1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HB | 2:B:651:SER:C | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HB | 2:B:651:SER:CA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HB | 2:B:651:SER:CB | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HB | 2:B:651:SER:H | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HB | 2:B:651:SER:HA | 12 | 0.44 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:HB | 2:B:651:SER:HB2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HB | 2:B:651:SER:HB3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HB | 2:B:651:SER:HG | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HB | 2:B:651:SER:N | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HB | 2:B:651:SER:O | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HB | 2:B:651:SER:OG | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HB | 2:B:652:ASP:C | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HB | 2:B:652:ASP:CA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HB | 2:B:652:ASP:CB | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HB | 2:B:652:ASP:CG | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HB | 2:B:652:ASP:H | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HB | 2:B:652:ASP:HA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HB | 2:B:652:ASP:HB2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HB | 2:B:652:ASP:HB3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HB | 2:B:652:ASP:N | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HB | 2:B:652:ASP:O | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HB | 2:B:652:ASP:OD1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HB | 2:B:652:ASP:OD2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:C | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:CA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:CB | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:CD1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:CD2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:CE1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:CE2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:CG | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:CZ | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:H | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:HA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:HB2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:HB3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:HD1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:HD2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:HE1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:HE2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:HZ | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:N | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:O | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HB | 2:B:654:GLU:C | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HB | 2:B:654:GLU:CA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HB | 2:B:654:GLU:CB | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HB | 2:B:654:GLU:CD | 12 | 0.44 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:HB | 2:B:654:GLU:CG | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HB | 2:B:654:GLU:H | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HB | 2:B:654:GLU:HA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HB | 2:B:654:GLU:HB2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HB | 2:B:654:GLU:HB3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HB | 2:B:654:GLU:HG2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HB | 2:B:654:GLU:HG3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HB | 2:B:654:GLU:N | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HB | 2:B:654:GLU:O | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HB | 2:B:654:GLU:OE1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HB | 2:B:654:GLU:OE2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HB | 2:B:655:GLY:C | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HB | 2:B:655:GLY:CA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HB | 2:B:655:GLY:H | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HB | 2:B:655:GLY:HA2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HB | 2:B:655:GLY:HA3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HB | 2:B:655:GLY:N | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HB | 2:B:655:GLY:O | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:C | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:CA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:CB | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:CD1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:CD2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:CE1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:CE2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:CG | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:CZ | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:H | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:HA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:HB2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:HB3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:HD1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:HD2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:HE1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:HE2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:HZ | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:N | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:O | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HB | 2:B:657:SEP:C | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HB | 2:B:657:SEP:CA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HB | 2:B:657:SEP:CB | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HB | 2:B:657:SEP:H | 12 | 0.44 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:HB | 2:B:657:SEP:HA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HB | 2:B:657:SEP:HB3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HB | 2:B:657:SEP:N | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HB | 2:B:657:SEP:O | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HB | 2:B:657:SEP:O1P | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HB | 2:B:657:SEP:O2P | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HB | 2:B:657:SEP:O3P | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HB | 2:B:657:SEP:OG | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HB | 2:B:657:SEP:P | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:C | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:CA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:CB | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:CD1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:CD2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:CE1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:CE2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:CG | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:CZ | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:H | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:HA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:HB2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:HB3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:HD1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:HD2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:HE1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:HE2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:HH | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:N | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:O | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:OH | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HB | 2:B:659:NH2:HN1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HB | 2:B:659:NH2:HN2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HB | 2:B:659:NH2:N | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:648:ACE:C | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:648:ACE:CH3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:648:ACE:H1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:648:ACE:H2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:648:ACE:H3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:648:ACE:O | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:649:ASP:C | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:649:ASP:CA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:649:ASP:CB | 12 | 0.44 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|------------------|----------|---------------|
| (1,37) | 1:A:250:THR:HG1 | 2:B:649:ASP:CG | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:649:ASP:H | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:649:ASP:HA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:649:ASP:HB2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:649:ASP:HB3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:649:ASP:N | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:649:ASP:O | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:649:ASP:OD1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:649:ASP:OD2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:650:GLN:C | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:650:GLN:CA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:650:GLN:CB | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:650:GLN:CD | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:650:GLN:CG | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:650:GLN:H | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:650:GLN:HA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:650:GLN:HB2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:650:GLN:HB3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:650:GLN:HE21 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:650:GLN:HE22 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:650:GLN:HG2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:650:GLN:HG3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:650:GLN:N | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:650:GLN:NE2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:650:GLN:O | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:650:GLN:OE1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:651:SER:C | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:651:SER:CA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:651:SER:CB | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:651:SER:H | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:651:SER:HA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:651:SER:HB2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:651:SER:HB3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:651:SER:HG | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:651:SER:N | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:651:SER:O | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:651:SER:OG | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:652:ASP:C | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:652:ASP:CA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:652:ASP:CB | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:652:ASP:CG | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:652:ASP:H | 12 | 0.44 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:HG1 | 2:B:652:ASP:HA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:652:ASP:HB2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:652:ASP:HB3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:652:ASP:N | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:652:ASP:O | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:652:ASP:OD1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:652:ASP:OD2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:C | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:CA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:CB | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:CD1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:CD2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:CE1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:CE2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:CG | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:CZ | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:H | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:HA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:HB2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:HB3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:HD1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:HD2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:HE1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:HE2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:HZ | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:N | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:O | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:654:GLU:C | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:654:GLU:CA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:654:GLU:CB | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:654:GLU:CD | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:654:GLU:CG | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:654:GLU:H | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:654:GLU:HA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:654:GLU:HB2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:654:GLU:HB3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:654:GLU:HG2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:654:GLU:HG3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:654:GLU:N | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:654:GLU:O | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:654:GLU:OE1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:654:GLU:OE2 | 12 | 0.44 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:HG1 | 2:B:655:GLY:C | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:655:GLY:CA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:655:GLY:H | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:655:GLY:HA2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:655:GLY:HA3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:655:GLY:N | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:655:GLY:O | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:C | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:CA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:CB | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:CD1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:CD2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:CE1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:CE2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:CG | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:CZ | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:H | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:HA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:HB2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:HB3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:HD1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:HD2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:HE1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:HE2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:HZ | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:N | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:O | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:657:SEP:C | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:657:SEP:CA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:657:SEP:CB | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:657:SEP:H | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:657:SEP:HA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:657:SEP:HB3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:657:SEP:N | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:657:SEP:O | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:657:SEP:O1P | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:657:SEP:O2P | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:657:SEP:O3P | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:657:SEP:OG | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:657:SEP:P | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:C | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:CA | 12 | 0.44 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:CB | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:CD1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:CD2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:CE1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:CE2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:CG | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:CZ | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:H | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:HA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:HB2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:HB3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:HD1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:HD2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:HE1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:HE2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:HH | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:N | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:O | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:OH | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:659:NH2:HN1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:659:NH2:HN2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:659:NH2:N | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:648:ACE:C | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:648:ACE:CH3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:648:ACE:H1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:648:ACE:H2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:648:ACE:H3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:648:ACE:O | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:649:ASP:C | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:649:ASP:CA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:649:ASP:CB | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:649:ASP:CG | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:649:ASP:H | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:649:ASP:HA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:649:ASP:HB2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:649:ASP:HB3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:649:ASP:N | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:649:ASP:O | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:649:ASP:OD1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:649:ASP:OD2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:650:GLN:C | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:650:GLN:CA | 12 | 0.44 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|------------------|----------|---------------|
| (1,37) | 1:A:250:THR:HG21 | 2:B:650:GLN:CB | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:650:GLN:CD | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:650:GLN:CG | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:650:GLN:H | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:650:GLN:HA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:650:GLN:HB2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:650:GLN:HB3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:650:GLN:HE21 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:650:GLN:HE22 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:650:GLN:HG2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:650:GLN:HG3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:650:GLN:N | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:650:GLN:NE2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:650:GLN:O | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:650:GLN:OE1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:651:SER:C | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:651:SER:CA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:651:SER:CB | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:651:SER:H | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:651:SER:HA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:651:SER:HB2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:651:SER:HB3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:651:SER:HG | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:651:SER:N | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:651:SER:O | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:651:SER:OG | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:652:ASP:C | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:652:ASP:CA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:652:ASP:CB | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:652:ASP:CG | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:652:ASP:H | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:652:ASP:HA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:652:ASP:HB2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:652:ASP:HB3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:652:ASP:N | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:652:ASP:O | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:652:ASP:OD1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:652:ASP:OD2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:C | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:CA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:CB | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:CD1 | 12 | 0.44 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:CD2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:CE1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:CE2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:CG | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:CZ | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:H | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:HA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:HB2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:HB3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:HD1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:HD2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:HE1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:HE2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:HZ | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:N | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:O | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:654:GLU:C | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:654:GLU:CA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:654:GLU:CB | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:654:GLU:CD | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:654:GLU:CG | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:654:GLU:H | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:654:GLU:HA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:654:GLU:HB2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:654:GLU:HB3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:654:GLU:HG2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:654:GLU:HG3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:654:GLU:N | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:654:GLU:O | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:654:GLU:OE1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:654:GLU:OE2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:655:GLY:C | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:655:GLY:CA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:655:GLY:H | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:655:GLY:HA2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:655:GLY:HA3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:655:GLY:N | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:655:GLY:O | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:C | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:CA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:CB | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:CD1 | 12 | 0.44 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:CD2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:CE1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:CE2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:CG | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:CZ | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:H | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:HA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:HB2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:HB3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:HD1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:HD2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:HE1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:HE2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:HZ | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:N | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:O | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:657:SEP:C | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:657:SEP:CA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:657:SEP:CB | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:657:SEP:H | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:657:SEP:HA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:657:SEP:HB3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:657:SEP:N | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:657:SEP:O | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:657:SEP:O1P | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:657:SEP:O2P | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:657:SEP:O3P | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:657:SEP:OG | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:657:SEP:P | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:C | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:CA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:CB | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:CD1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:CD2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:CE1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:CE2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:CG | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:CZ | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:H | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:HA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:HB2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:HB3 | 12 | 0.44 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|------------------|----------|---------------|
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:HD1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:HD2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:HE1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:HE2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:HH | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:N | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:O | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:OH | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:659:NH2:HN1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:659:NH2:HN2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:659:NH2:N | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:648:ACE:C | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:648:ACE:CH3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:648:ACE:H1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:648:ACE:H2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:648:ACE:H3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:648:ACE:O | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:649:ASP:C | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:649:ASP:CA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:649:ASP:CB | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:649:ASP:CG | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:649:ASP:H | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:649:ASP:HA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:649:ASP:HB2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:649:ASP:HB3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:649:ASP:N | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:649:ASP:O | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:649:ASP:OD1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:649:ASP:OD2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:650:GLN:C | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:650:GLN:CA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:650:GLN:CB | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:650:GLN:CD | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:650:GLN:CG | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:650:GLN:H | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:650:GLN:HA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:650:GLN:HB2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:650:GLN:HB3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:650:GLN:HE21 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:650:GLN:HE22 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:650:GLN:HG2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:650:GLN:HG3 | 12 | 0.44 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:HG22 | 2:B:650:GLN:N | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:650:GLN:NE2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:650:GLN:O | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:650:GLN:OE1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:651:SER:C | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:651:SER:CA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:651:SER:CB | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:651:SER:H | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:651:SER:HA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:651:SER:HB2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:651:SER:HB3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:651:SER:HG | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:651:SER:N | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:651:SER:O | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:651:SER:OG | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:652:ASP:C | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:652:ASP:CA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:652:ASP:CB | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:652:ASP:CG | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:652:ASP:H | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:652:ASP:HA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:652:ASP:HB2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:652:ASP:HB3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:652:ASP:N | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:652:ASP:O | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:652:ASP:OD1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:652:ASP:OD2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:C | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:CA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:CB | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:CD1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:CD2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:CE1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:CE2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:CG | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:CZ | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:H | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:HA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:HB2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:HB3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:HD1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:HD2 | 12 | 0.44 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:HE1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:HE2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:HZ | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:N | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:O | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:654:GLU:C | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:654:GLU:CA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:654:GLU:CB | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:654:GLU:CD | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:654:GLU:CG | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:654:GLU:H | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:654:GLU:HA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:654:GLU:HB2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:654:GLU:HB3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:654:GLU:HG2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:654:GLU:HG3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:654:GLU:N | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:654:GLU:O | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:654:GLU:OE1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:654:GLU:OE2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:655:GLY:C | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:655:GLY:CA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:655:GLY:H | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:655:GLY:HA2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:655:GLY:HA3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:655:GLY:N | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:655:GLY:O | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:C | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:CA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:CB | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:CD1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:CD2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:CE1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:CE2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:CG | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:CZ | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:H | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:HA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:HB2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:HB3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:HD1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:HD2 | 12 | 0.44 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:HE1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:HE2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:HZ | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:N | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:O | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:657:SEP:C | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:657:SEP:CA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:657:SEP:CB | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:657:SEP:H | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:657:SEP:HA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:657:SEP:HB3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:657:SEP:N | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:657:SEP:O | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:657:SEP:O1P | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:657:SEP:O2P | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:657:SEP:O3P | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:657:SEP:OG | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:657:SEP:P | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:C | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:CA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:CB | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:CD1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:CD2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:CE1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:CE2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:CG | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:CZ | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:H | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:HA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:HB2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:HB3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:HD1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:HD2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:HE1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:HE2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:HH | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:N | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:O | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:OH | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:659:NH2:HN1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:659:NH2:HN2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:659:NH2:N | 12 | 0.44 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|------------------|----------|---------------|
| (1,37) | 1:A:250:THR:HG23 | 2:B:648:ACE:C | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:648:ACE:CH3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:648:ACE:H1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:648:ACE:H2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:648:ACE:H3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:648:ACE:O | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:649:ASP:C | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:649:ASP:CA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:649:ASP:CB | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:649:ASP:CG | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:649:ASP:H | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:649:ASP:HA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:649:ASP:HB2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:649:ASP:HB3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:649:ASP:N | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:649:ASP:O | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:649:ASP:OD1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:649:ASP:OD2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:650:GLN:C | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:650:GLN:CA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:650:GLN:CB | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:650:GLN:CD | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:650:GLN:CG | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:650:GLN:H | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:650:GLN:HA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:650:GLN:HB2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:650:GLN:HB3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:650:GLN:HE21 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:650:GLN:HE22 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:650:GLN:HG2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:650:GLN:HG3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:650:GLN:N | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:650:GLN:NE2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:650:GLN:O | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:650:GLN:OE1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:651:SER:C | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:651:SER:CA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:651:SER:CB | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:651:SER:H | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:651:SER:HA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:651:SER:HB2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:651:SER:HB3 | 12 | 0.44 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:HG23 | 2:B:651:SER:HG | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:651:SER:N | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:651:SER:O | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:651:SER:OG | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:652:ASP:C | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:652:ASP:CA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:652:ASP:CB | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:652:ASP:CG | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:652:ASP:H | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:652:ASP:HA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:652:ASP:HB2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:652:ASP:HB3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:652:ASP:N | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:652:ASP:O | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:652:ASP:OD1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:652:ASP:OD2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:C | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:CA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:CB | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:CD1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:CD2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:CE1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:CE2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:CG | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:CZ | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:H | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:HA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:HB2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:HB3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:HD1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:HD2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:HE1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:HE2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:HZ | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:N | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:O | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:654:GLU:C | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:654:GLU:CA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:654:GLU:CB | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:654:GLU:CD | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:654:GLU:CG | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:654:GLU:H | 12 | 0.44 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:HG23 | 2:B:654:GLU:HA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:654:GLU:HB2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:654:GLU:HB3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:654:GLU:HG2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:654:GLU:HG3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:654:GLU:N | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:654:GLU:O | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:654:GLU:OE1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:654:GLU:OE2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:655:GLY:C | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:655:GLY:CA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:655:GLY:H | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:655:GLY:HA2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:655:GLY:HA3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:655:GLY:N | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:655:GLY:O | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:C | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:CA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:CB | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:CD1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:CD2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:CE1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:CE2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:CG | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:CZ | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:H | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:HA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:HB2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:HB3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:HD1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:HD2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:HE1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:HE2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:HZ | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:N | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:O | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:657:SEP:C | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:657:SEP:CA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:657:SEP:CB | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:657:SEP:H | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:657:SEP:HA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:657:SEP:HB3 | 12 | 0.44 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:HG23 | 2:B:657:SEP:N | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:657:SEP:O | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:657:SEP:O1P | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:657:SEP:O2P | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:657:SEP:O3P | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:657:SEP:OG | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:657:SEP:P | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:C | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:CA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:CB | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:CD1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:CD2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:CE1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:CE2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:CG | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:CZ | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:H | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:HA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:HB2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:HB3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:HD1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:HD2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:HE1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:HE2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:HH | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:N | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:O | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:OH | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:659:NH2:HN1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:659:NH2:HN2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:659:NH2:N | 12 | 0.44 |
| (1,37) | 1:A:250:THR:N | 2:B:648:ACE:C | 12 | 0.44 |
| (1,37) | 1:A:250:THR:N | 2:B:648:ACE:CH3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:N | 2:B:648:ACE:H1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:N | 2:B:648:ACE:H2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:N | 2:B:648:ACE:H3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:N | 2:B:648:ACE:O | 12 | 0.44 |
| (1,37) | 1:A:250:THR:N | 2:B:649:ASP:C | 12 | 0.44 |
| (1,37) | 1:A:250:THR:N | 2:B:649:ASP:CA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:N | 2:B:649:ASP:CB | 12 | 0.44 |
| (1,37) | 1:A:250:THR:N | 2:B:649:ASP:CG | 12 | 0.44 |
| (1,37) | 1:A:250:THR:N | 2:B:649:ASP:H | 12 | 0.44 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (1,37) | 1:A:250:THR:N | 2:B:649:ASP:HA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:N | 2:B:649:ASP:HB2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:N | 2:B:649:ASP:HB3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:N | 2:B:649:ASP:N | 12 | 0.44 |
| (1,37) | 1:A:250:THR:N | 2:B:649:ASP:O | 12 | 0.44 |
| (1,37) | 1:A:250:THR:N | 2:B:649:ASP:OD1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:N | 2:B:649:ASP:OD2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:N | 2:B:650:GLN:C | 12 | 0.44 |
| (1,37) | 1:A:250:THR:N | 2:B:650:GLN:CA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:N | 2:B:650:GLN:CB | 12 | 0.44 |
| (1,37) | 1:A:250:THR:N | 2:B:650:GLN:CD | 12 | 0.44 |
| (1,37) | 1:A:250:THR:N | 2:B:650:GLN:CG | 12 | 0.44 |
| (1,37) | 1:A:250:THR:N | 2:B:650:GLN:H | 12 | 0.44 |
| (1,37) | 1:A:250:THR:N | 2:B:650:GLN:HA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:N | 2:B:650:GLN:HB2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:N | 2:B:650:GLN:HB3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:N | 2:B:650:GLN:HE21 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:N | 2:B:650:GLN:HE22 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:N | 2:B:650:GLN:HG2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:N | 2:B:650:GLN:HG3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:N | 2:B:650:GLN:N | 12 | 0.44 |
| (1,37) | 1:A:250:THR:N | 2:B:650:GLN:NE2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:N | 2:B:650:GLN:O | 12 | 0.44 |
| (1,37) | 1:A:250:THR:N | 2:B:650:GLN:OE1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:N | 2:B:651:SER:C | 12 | 0.44 |
| (1,37) | 1:A:250:THR:N | 2:B:651:SER:CA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:N | 2:B:651:SER:CB | 12 | 0.44 |
| (1,37) | 1:A:250:THR:N | 2:B:651:SER:H | 12 | 0.44 |
| (1,37) | 1:A:250:THR:N | 2:B:651:SER:HA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:N | 2:B:651:SER:HB2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:N | 2:B:651:SER:HB3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:N | 2:B:651:SER:HG | 12 | 0.44 |
| (1,37) | 1:A:250:THR:N | 2:B:651:SER:N | 12 | 0.44 |
| (1,37) | 1:A:250:THR:N | 2:B:651:SER:O | 12 | 0.44 |
| (1,37) | 1:A:250:THR:N | 2:B:651:SER:OG | 12 | 0.44 |
| (1,37) | 1:A:250:THR:N | 2:B:652:ASP:C | 12 | 0.44 |
| (1,37) | 1:A:250:THR:N | 2:B:652:ASP:CA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:N | 2:B:652:ASP:CB | 12 | 0.44 |
| (1,37) | 1:A:250:THR:N | 2:B:652:ASP:CG | 12 | 0.44 |
| (1,37) | 1:A:250:THR:N | 2:B:652:ASP:H | 12 | 0.44 |
| (1,37) | 1:A:250:THR:N | 2:B:652:ASP:HA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:N | 2:B:652:ASP:HB2 | 12 | 0.44 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:N | 2:B:652:ASP:HB3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:N | 2:B:652:ASP:N | 12 | 0.44 |
| (1,37) | 1:A:250:THR:N | 2:B:652:ASP:O | 12 | 0.44 |
| (1,37) | 1:A:250:THR:N | 2:B:652:ASP:OD1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:N | 2:B:652:ASP:OD2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:C | 12 | 0.44 |
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:CA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:CB | 12 | 0.44 |
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:CD1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:CD2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:CE1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:CE2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:CG | 12 | 0.44 |
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:CZ | 12 | 0.44 |
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:H | 12 | 0.44 |
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:HA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:HB2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:HB3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:HD1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:HD2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:HE1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:HE2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:HZ | 12 | 0.44 |
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:N | 12 | 0.44 |
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:O | 12 | 0.44 |
| (1,37) | 1:A:250:THR:N | 2:B:654:GLU:C | 12 | 0.44 |
| (1,37) | 1:A:250:THR:N | 2:B:654:GLU:CA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:N | 2:B:654:GLU:CB | 12 | 0.44 |
| (1,37) | 1:A:250:THR:N | 2:B:654:GLU:CD | 12 | 0.44 |
| (1,37) | 1:A:250:THR:N | 2:B:654:GLU:CG | 12 | 0.44 |
| (1,37) | 1:A:250:THR:N | 2:B:654:GLU:H | 12 | 0.44 |
| (1,37) | 1:A:250:THR:N | 2:B:654:GLU:HA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:N | 2:B:654:GLU:HB2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:N | 2:B:654:GLU:HB3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:N | 2:B:654:GLU:HG2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:N | 2:B:654:GLU:HG3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:N | 2:B:654:GLU:N | 12 | 0.44 |
| (1,37) | 1:A:250:THR:N | 2:B:654:GLU:O | 12 | 0.44 |
| (1,37) | 1:A:250:THR:N | 2:B:654:GLU:OE1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:N | 2:B:654:GLU:OE2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:N | 2:B:655:GLY:C | 12 | 0.44 |
| (1,37) | 1:A:250:THR:N | 2:B:655:GLY:CA | 12 | 0.44 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:N | 2:B:655:GLY:H | 12 | 0.44 |
| (1,37) | 1:A:250:THR:N | 2:B:655:GLY:HA2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:N | 2:B:655:GLY:HA3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:N | 2:B:655:GLY:N | 12 | 0.44 |
| (1,37) | 1:A:250:THR:N | 2:B:655:GLY:O | 12 | 0.44 |
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:C | 12 | 0.44 |
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:CA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:CB | 12 | 0.44 |
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:CD1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:CD2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:CE1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:CE2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:CG | 12 | 0.44 |
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:CZ | 12 | 0.44 |
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:H | 12 | 0.44 |
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:HA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:HB2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:HB3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:HD1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:HD2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:HE1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:HE2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:HZ | 12 | 0.44 |
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:N | 12 | 0.44 |
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:O | 12 | 0.44 |
| (1,37) | 1:A:250:THR:N | 2:B:657:SEP:C | 12 | 0.44 |
| (1,37) | 1:A:250:THR:N | 2:B:657:SEP:CA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:N | 2:B:657:SEP:CB | 12 | 0.44 |
| (1,37) | 1:A:250:THR:N | 2:B:657:SEP:H | 12 | 0.44 |
| (1,37) | 1:A:250:THR:N | 2:B:657:SEP:HA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:N | 2:B:657:SEP:HB3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:N | 2:B:657:SEP:N | 12 | 0.44 |
| (1,37) | 1:A:250:THR:N | 2:B:657:SEP:O | 12 | 0.44 |
| (1,37) | 1:A:250:THR:N | 2:B:657:SEP:O1P | 12 | 0.44 |
| (1,37) | 1:A:250:THR:N | 2:B:657:SEP:O2P | 12 | 0.44 |
| (1,37) | 1:A:250:THR:N | 2:B:657:SEP:O3P | 12 | 0.44 |
| (1,37) | 1:A:250:THR:N | 2:B:657:SEP:OG | 12 | 0.44 |
| (1,37) | 1:A:250:THR:N | 2:B:657:SEP:P | 12 | 0.44 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:C | 12 | 0.44 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:CA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:CB | 12 | 0.44 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:CD1 | 12 | 0.44 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:CD2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:CE1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:CE2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:CG | 12 | 0.44 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:CZ | 12 | 0.44 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:H | 12 | 0.44 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:HA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:HB2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:HB3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:HD1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:HD2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:HE1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:HE2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:HH | 12 | 0.44 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:N | 12 | 0.44 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:O | 12 | 0.44 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:OH | 12 | 0.44 |
| (1,37) | 1:A:250:THR:N | 2:B:659:NH2:HN1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:N | 2:B:659:NH2:HN2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:N | 2:B:659:NH2:N | 12 | 0.44 |
| (1,37) | 1:A:250:THR:O | 2:B:648:ACE:C | 12 | 0.44 |
| (1,37) | 1:A:250:THR:O | 2:B:648:ACE:CH3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:O | 2:B:648:ACE:H1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:O | 2:B:648:ACE:H2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:O | 2:B:648:ACE:H3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:O | 2:B:648:ACE:O | 12 | 0.44 |
| (1,37) | 1:A:250:THR:O | 2:B:649:ASP:C | 12 | 0.44 |
| (1,37) | 1:A:250:THR:O | 2:B:649:ASP:CA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:O | 2:B:649:ASP:CB | 12 | 0.44 |
| (1,37) | 1:A:250:THR:O | 2:B:649:ASP:CG | 12 | 0.44 |
| (1,37) | 1:A:250:THR:O | 2:B:649:ASP:H | 12 | 0.44 |
| (1,37) | 1:A:250:THR:O | 2:B:649:ASP:HA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:O | 2:B:649:ASP:HB2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:O | 2:B:649:ASP:HB3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:O | 2:B:649:ASP:N | 12 | 0.44 |
| (1,37) | 1:A:250:THR:O | 2:B:649:ASP:O | 12 | 0.44 |
| (1,37) | 1:A:250:THR:O | 2:B:649:ASP:OD1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:O | 2:B:649:ASP:OD2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:O | 2:B:650:GLN:C | 12 | 0.44 |
| (1,37) | 1:A:250:THR:O | 2:B:650:GLN:CA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:O | 2:B:650:GLN:CB | 12 | 0.44 |
| (1,37) | 1:A:250:THR:O | 2:B:650:GLN:CD | 12 | 0.44 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (1,37) | 1:A:250:THR:O | 2:B:650:GLN:CG | 12 | 0.44 |
| (1,37) | 1:A:250:THR:O | 2:B:650:GLN:H | 12 | 0.44 |
| (1,37) | 1:A:250:THR:O | 2:B:650:GLN:HA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:O | 2:B:650:GLN:HB2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:O | 2:B:650:GLN:HB3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:O | 2:B:650:GLN:HE21 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:O | 2:B:650:GLN:HE22 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:O | 2:B:650:GLN:HG2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:O | 2:B:650:GLN:HG3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:O | 2:B:650:GLN:N | 12 | 0.44 |
| (1,37) | 1:A:250:THR:O | 2:B:650:GLN:NE2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:O | 2:B:650:GLN:O | 12 | 0.44 |
| (1,37) | 1:A:250:THR:O | 2:B:650:GLN:OE1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:O | 2:B:651:SER:C | 12 | 0.44 |
| (1,37) | 1:A:250:THR:O | 2:B:651:SER:CA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:O | 2:B:651:SER:CB | 12 | 0.44 |
| (1,37) | 1:A:250:THR:O | 2:B:651:SER:H | 12 | 0.44 |
| (1,37) | 1:A:250:THR:O | 2:B:651:SER:HA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:O | 2:B:651:SER:HB2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:O | 2:B:651:SER:HB3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:O | 2:B:651:SER:HG | 12 | 0.44 |
| (1,37) | 1:A:250:THR:O | 2:B:651:SER:N | 12 | 0.44 |
| (1,37) | 1:A:250:THR:O | 2:B:651:SER:O | 12 | 0.44 |
| (1,37) | 1:A:250:THR:O | 2:B:651:SER:OG | 12 | 0.44 |
| (1,37) | 1:A:250:THR:O | 2:B:652:ASP:C | 12 | 0.44 |
| (1,37) | 1:A:250:THR:O | 2:B:652:ASP:CA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:O | 2:B:652:ASP:CB | 12 | 0.44 |
| (1,37) | 1:A:250:THR:O | 2:B:652:ASP:CG | 12 | 0.44 |
| (1,37) | 1:A:250:THR:O | 2:B:652:ASP:H | 12 | 0.44 |
| (1,37) | 1:A:250:THR:O | 2:B:652:ASP:HA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:O | 2:B:652:ASP:HB2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:O | 2:B:652:ASP:HB3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:O | 2:B:652:ASP:N | 12 | 0.44 |
| (1,37) | 1:A:250:THR:O | 2:B:652:ASP:O | 12 | 0.44 |
| (1,37) | 1:A:250:THR:O | 2:B:652:ASP:OD1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:O | 2:B:652:ASP:OD2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:C | 12 | 0.44 |
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:CA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:CB | 12 | 0.44 |
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:CD1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:CD2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:CE1 | 12 | 0.44 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:CE2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:CG | 12 | 0.44 |
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:CZ | 12 | 0.44 |
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:H | 12 | 0.44 |
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:HA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:HB2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:HB3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:HD1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:HD2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:HE1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:HE2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:HZ | 12 | 0.44 |
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:N | 12 | 0.44 |
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:O | 12 | 0.44 |
| (1,37) | 1:A:250:THR:O | 2:B:654:GLU:C | 12 | 0.44 |
| (1,37) | 1:A:250:THR:O | 2:B:654:GLU:CA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:O | 2:B:654:GLU:CB | 12 | 0.44 |
| (1,37) | 1:A:250:THR:O | 2:B:654:GLU:CD | 12 | 0.44 |
| (1,37) | 1:A:250:THR:O | 2:B:654:GLU:CG | 12 | 0.44 |
| (1,37) | 1:A:250:THR:O | 2:B:654:GLU:H | 12 | 0.44 |
| (1,37) | 1:A:250:THR:O | 2:B:654:GLU:HA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:O | 2:B:654:GLU:HB2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:O | 2:B:654:GLU:HB3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:O | 2:B:654:GLU:HG2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:O | 2:B:654:GLU:HG3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:O | 2:B:654:GLU:N | 12 | 0.44 |
| (1,37) | 1:A:250:THR:O | 2:B:654:GLU:O | 12 | 0.44 |
| (1,37) | 1:A:250:THR:O | 2:B:654:GLU:OE1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:O | 2:B:654:GLU:OE2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:O | 2:B:655:GLY:C | 12 | 0.44 |
| (1,37) | 1:A:250:THR:O | 2:B:655:GLY:CA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:O | 2:B:655:GLY:H | 12 | 0.44 |
| (1,37) | 1:A:250:THR:O | 2:B:655:GLY:HA2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:O | 2:B:655:GLY:HA3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:O | 2:B:655:GLY:N | 12 | 0.44 |
| (1,37) | 1:A:250:THR:O | 2:B:655:GLY:O | 12 | 0.44 |
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:C | 12 | 0.44 |
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:CA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:CB | 12 | 0.44 |
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:CD1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:CD2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:CE1 | 12 | 0.44 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:CE2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:CG | 12 | 0.44 |
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:CZ | 12 | 0.44 |
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:H | 12 | 0.44 |
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:HA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:HB2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:HB3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:HD1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:HD2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:HE1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:HE2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:HZ | 12 | 0.44 |
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:N | 12 | 0.44 |
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:O | 12 | 0.44 |
| (1,37) | 1:A:250:THR:O | 2:B:657:SEP:C | 12 | 0.44 |
| (1,37) | 1:A:250:THR:O | 2:B:657:SEP:CA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:O | 2:B:657:SEP:CB | 12 | 0.44 |
| (1,37) | 1:A:250:THR:O | 2:B:657:SEP:H | 12 | 0.44 |
| (1,37) | 1:A:250:THR:O | 2:B:657:SEP:HA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:O | 2:B:657:SEP:HB3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:O | 2:B:657:SEP:N | 12 | 0.44 |
| (1,37) | 1:A:250:THR:O | 2:B:657:SEP:O | 12 | 0.44 |
| (1,37) | 1:A:250:THR:O | 2:B:657:SEP:O1P | 12 | 0.44 |
| (1,37) | 1:A:250:THR:O | 2:B:657:SEP:O2P | 12 | 0.44 |
| (1,37) | 1:A:250:THR:O | 2:B:657:SEP:O3P | 12 | 0.44 |
| (1,37) | 1:A:250:THR:O | 2:B:657:SEP:OG | 12 | 0.44 |
| (1,37) | 1:A:250:THR:O | 2:B:657:SEP:P | 12 | 0.44 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:C | 12 | 0.44 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:CA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:CB | 12 | 0.44 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:CD1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:CD2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:CE1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:CE2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:CG | 12 | 0.44 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:CZ | 12 | 0.44 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:H | 12 | 0.44 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:HA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:HB2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:HB3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:HD1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:HD2 | 12 | 0.44 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|------------------|----------|---------------|
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:HE1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:HE2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:HH | 12 | 0.44 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:N | 12 | 0.44 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:O | 12 | 0.44 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:OH | 12 | 0.44 |
| (1,37) | 1:A:250:THR:O | 2:B:659:NH2:HN1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:O | 2:B:659:NH2:HN2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:O | 2:B:659:NH2:N | 12 | 0.44 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:648:ACE:C | 12 | 0.44 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:648:ACE:CH3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:648:ACE:H1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:648:ACE:H2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:648:ACE:H3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:648:ACE:O | 12 | 0.44 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:649:ASP:C | 12 | 0.44 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:649:ASP:CA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:649:ASP:CB | 12 | 0.44 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:649:ASP:CG | 12 | 0.44 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:649:ASP:H | 12 | 0.44 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:649:ASP:HA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:649:ASP:HB2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:649:ASP:HB3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:649:ASP:N | 12 | 0.44 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:649:ASP:O | 12 | 0.44 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:649:ASP:OD1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:649:ASP:OD2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:650:GLN:C | 12 | 0.44 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:650:GLN:CA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:650:GLN:CB | 12 | 0.44 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:650:GLN:CD | 12 | 0.44 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:650:GLN:CG | 12 | 0.44 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:650:GLN:H | 12 | 0.44 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:650:GLN:HA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:650:GLN:HB2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:650:GLN:HB3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:650:GLN:HE21 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:650:GLN:HE22 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:650:GLN:HG2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:650:GLN:HG3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:650:GLN:N | 12 | 0.44 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:650:GLN:NE2 | 12 | 0.44 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:OG1 | 2:B:650:GLN:O | 12 | 0.44 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:650:GLN:OE1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:651:SER:C | 12 | 0.44 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:651:SER:CA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:651:SER:CB | 12 | 0.44 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:651:SER:H | 12 | 0.44 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:651:SER:HA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:651:SER:HB2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:651:SER:HB3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:651:SER:HG | 12 | 0.44 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:651:SER:N | 12 | 0.44 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:651:SER:O | 12 | 0.44 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:651:SER:OG | 12 | 0.44 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:652:ASP:C | 12 | 0.44 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:652:ASP:CA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:652:ASP:CB | 12 | 0.44 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:652:ASP:CG | 12 | 0.44 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:652:ASP:H | 12 | 0.44 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:652:ASP:HA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:652:ASP:HB2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:652:ASP:HB3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:652:ASP:N | 12 | 0.44 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:652:ASP:O | 12 | 0.44 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:652:ASP:OD1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:652:ASP:OD2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:C | 12 | 0.44 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:CA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:CB | 12 | 0.44 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:CD1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:CD2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:CE1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:CE2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:CG | 12 | 0.44 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:CZ | 12 | 0.44 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:H | 12 | 0.44 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:HA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:HB2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:HB3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:HD1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:HD2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:HE1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:HE2 | 12 | 0.44 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:HZ | 12 | 0.44 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:N | 12 | 0.44 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:O | 12 | 0.44 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:654:GLU:C | 12 | 0.44 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:654:GLU:CA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:654:GLU:CB | 12 | 0.44 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:654:GLU:CD | 12 | 0.44 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:654:GLU:CG | 12 | 0.44 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:654:GLU:H | 12 | 0.44 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:654:GLU:HA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:654:GLU:HB2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:654:GLU:HB3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:654:GLU:HG2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:654:GLU:HG3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:654:GLU:N | 12 | 0.44 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:654:GLU:O | 12 | 0.44 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:654:GLU:OE1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:654:GLU:OE2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:655:GLY:C | 12 | 0.44 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:655:GLY:CA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:655:GLY:H | 12 | 0.44 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:655:GLY:HA2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:655:GLY:HA3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:655:GLY:N | 12 | 0.44 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:655:GLY:O | 12 | 0.44 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:C | 12 | 0.44 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:CA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:CB | 12 | 0.44 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:CD1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:CD2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:CE1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:CE2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:CG | 12 | 0.44 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:CZ | 12 | 0.44 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:H | 12 | 0.44 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:HA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:HB2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:HB3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:HD1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:HD2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:HE1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:HE2 | 12 | 0.44 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:HZ | 12 | 0.44 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:N | 12 | 0.44 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:O | 12 | 0.44 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:657:SEP:C | 12 | 0.44 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:657:SEP:CA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:657:SEP:CB | 12 | 0.44 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:657:SEP:H | 12 | 0.44 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:657:SEP:HA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:657:SEP:HB3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:657:SEP:N | 12 | 0.44 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:657:SEP:O | 12 | 0.44 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:657:SEP:O1P | 12 | 0.44 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:657:SEP:O2P | 12 | 0.44 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:657:SEP:O3P | 12 | 0.44 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:657:SEP:OG | 12 | 0.44 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:657:SEP:P | 12 | 0.44 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:C | 12 | 0.44 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:CA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:CB | 12 | 0.44 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:CD1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:CD2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:CE1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:CE2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:CG | 12 | 0.44 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:CZ | 12 | 0.44 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:H | 12 | 0.44 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:HA | 12 | 0.44 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:HB2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:HB3 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:HD1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:HD2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:HE1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:HE2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:HH | 12 | 0.44 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:N | 12 | 0.44 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:O | 12 | 0.44 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:OH | 12 | 0.44 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:659:NH2:HN1 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:659:NH2:HN2 | 12 | 0.44 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:659:NH2:N | 12 | 0.44 |
| (1,37) | 1:A:250:THR:C | 2:B:648:ACE:C | 14 | 0.39 |
| (1,37) | 1:A:250:THR:C | 2:B:648:ACE:CH3 | 14 | 0.39 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (1,37) | 1:A:250:THR:C | 2:B:648:ACE:H1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:C | 2:B:648:ACE:H2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:C | 2:B:648:ACE:H3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:C | 2:B:648:ACE:O | 14 | 0.39 |
| (1,37) | 1:A:250:THR:C | 2:B:649:ASP:C | 14 | 0.39 |
| (1,37) | 1:A:250:THR:C | 2:B:649:ASP:CA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:C | 2:B:649:ASP:CB | 14 | 0.39 |
| (1,37) | 1:A:250:THR:C | 2:B:649:ASP:CG | 14 | 0.39 |
| (1,37) | 1:A:250:THR:C | 2:B:649:ASP:H | 14 | 0.39 |
| (1,37) | 1:A:250:THR:C | 2:B:649:ASP:HA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:C | 2:B:649:ASP:HB2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:C | 2:B:649:ASP:HB3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:C | 2:B:649:ASP:N | 14 | 0.39 |
| (1,37) | 1:A:250:THR:C | 2:B:649:ASP:O | 14 | 0.39 |
| (1,37) | 1:A:250:THR:C | 2:B:649:ASP:OD1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:C | 2:B:649:ASP:OD2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:C | 2:B:650:GLN:C | 14 | 0.39 |
| (1,37) | 1:A:250:THR:C | 2:B:650:GLN:CA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:C | 2:B:650:GLN:CB | 14 | 0.39 |
| (1,37) | 1:A:250:THR:C | 2:B:650:GLN:CD | 14 | 0.39 |
| (1,37) | 1:A:250:THR:C | 2:B:650:GLN:CG | 14 | 0.39 |
| (1,37) | 1:A:250:THR:C | 2:B:650:GLN:H | 14 | 0.39 |
| (1,37) | 1:A:250:THR:C | 2:B:650:GLN:HA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:C | 2:B:650:GLN:HB2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:C | 2:B:650:GLN:HB3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:C | 2:B:650:GLN:HE21 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:C | 2:B:650:GLN:HE22 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:C | 2:B:650:GLN:HG2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:C | 2:B:650:GLN:HG3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:C | 2:B:650:GLN:N | 14 | 0.39 |
| (1,37) | 1:A:250:THR:C | 2:B:650:GLN:NE2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:C | 2:B:650:GLN:O | 14 | 0.39 |
| (1,37) | 1:A:250:THR:C | 2:B:650:GLN:OE1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:C | 2:B:651:SER:C | 14 | 0.39 |
| (1,37) | 1:A:250:THR:C | 2:B:651:SER:CA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:C | 2:B:651:SER:CB | 14 | 0.39 |
| (1,37) | 1:A:250:THR:C | 2:B:651:SER:H | 14 | 0.39 |
| (1,37) | 1:A:250:THR:C | 2:B:651:SER:HA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:C | 2:B:651:SER:HB2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:C | 2:B:651:SER:HB3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:C | 2:B:651:SER:HG | 14 | 0.39 |
| (1,37) | 1:A:250:THR:C | 2:B:651:SER:N | 14 | 0.39 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:C | 2:B:651:SER:O | 14 | 0.39 |
| (1,37) | 1:A:250:THR:C | 2:B:651:SER:OG | 14 | 0.39 |
| (1,37) | 1:A:250:THR:C | 2:B:652:ASP:C | 14 | 0.39 |
| (1,37) | 1:A:250:THR:C | 2:B:652:ASP:CA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:C | 2:B:652:ASP:CB | 14 | 0.39 |
| (1,37) | 1:A:250:THR:C | 2:B:652:ASP:CG | 14 | 0.39 |
| (1,37) | 1:A:250:THR:C | 2:B:652:ASP:H | 14 | 0.39 |
| (1,37) | 1:A:250:THR:C | 2:B:652:ASP:HA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:C | 2:B:652:ASP:HB2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:C | 2:B:652:ASP:HB3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:C | 2:B:652:ASP:N | 14 | 0.39 |
| (1,37) | 1:A:250:THR:C | 2:B:652:ASP:O | 14 | 0.39 |
| (1,37) | 1:A:250:THR:C | 2:B:652:ASP:OD1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:C | 2:B:652:ASP:OD2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:C | 14 | 0.39 |
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:CA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:CB | 14 | 0.39 |
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:CD1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:CD2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:CE1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:CE2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:CG | 14 | 0.39 |
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:CZ | 14 | 0.39 |
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:H | 14 | 0.39 |
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:HA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:HB2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:HB3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:HD1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:HD2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:HE1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:HE2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:HZ | 14 | 0.39 |
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:N | 14 | 0.39 |
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:O | 14 | 0.39 |
| (1,37) | 1:A:250:THR:C | 2:B:654:GLU:C | 14 | 0.39 |
| (1,37) | 1:A:250:THR:C | 2:B:654:GLU:CA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:C | 2:B:654:GLU:CB | 14 | 0.39 |
| (1,37) | 1:A:250:THR:C | 2:B:654:GLU:CD | 14 | 0.39 |
| (1,37) | 1:A:250:THR:C | 2:B:654:GLU:CG | 14 | 0.39 |
| (1,37) | 1:A:250:THR:C | 2:B:654:GLU:H | 14 | 0.39 |
| (1,37) | 1:A:250:THR:C | 2:B:654:GLU:HA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:C | 2:B:654:GLU:HB2 | 14 | 0.39 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:C | 2:B:654:GLU:HB3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:C | 2:B:654:GLU:HG2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:C | 2:B:654:GLU:HG3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:C | 2:B:654:GLU:N | 14 | 0.39 |
| (1,37) | 1:A:250:THR:C | 2:B:654:GLU:O | 14 | 0.39 |
| (1,37) | 1:A:250:THR:C | 2:B:654:GLU:OE1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:C | 2:B:654:GLU:OE2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:C | 2:B:655:GLY:C | 14 | 0.39 |
| (1,37) | 1:A:250:THR:C | 2:B:655:GLY:CA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:C | 2:B:655:GLY:H | 14 | 0.39 |
| (1,37) | 1:A:250:THR:C | 2:B:655:GLY:HA2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:C | 2:B:655:GLY:HA3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:C | 2:B:655:GLY:N | 14 | 0.39 |
| (1,37) | 1:A:250:THR:C | 2:B:655:GLY:O | 14 | 0.39 |
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:C | 14 | 0.39 |
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:CA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:CB | 14 | 0.39 |
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:CD1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:CD2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:CE1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:CE2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:CG | 14 | 0.39 |
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:CZ | 14 | 0.39 |
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:H | 14 | 0.39 |
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:HA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:HB2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:HB3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:HD1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:HD2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:HE1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:HE2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:HZ | 14 | 0.39 |
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:N | 14 | 0.39 |
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:O | 14 | 0.39 |
| (1,37) | 1:A:250:THR:C | 2:B:657:SEP:C | 14 | 0.39 |
| (1,37) | 1:A:250:THR:C | 2:B:657:SEP:CA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:C | 2:B:657:SEP:CB | 14 | 0.39 |
| (1,37) | 1:A:250:THR:C | 2:B:657:SEP:H | 14 | 0.39 |
| (1,37) | 1:A:250:THR:C | 2:B:657:SEP:HA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:C | 2:B:657:SEP:HB3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:C | 2:B:657:SEP:N | 14 | 0.39 |
| (1,37) | 1:A:250:THR:C | 2:B:657:SEP:O | 14 | 0.39 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:C | 2:B:657:SEP:O1P | 14 | 0.39 |
| (1,37) | 1:A:250:THR:C | 2:B:657:SEP:O2P | 14 | 0.39 |
| (1,37) | 1:A:250:THR:C | 2:B:657:SEP:O3P | 14 | 0.39 |
| (1,37) | 1:A:250:THR:C | 2:B:657:SEP:OG | 14 | 0.39 |
| (1,37) | 1:A:250:THR:C | 2:B:657:SEP:P | 14 | 0.39 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:C | 14 | 0.39 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:CA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:CB | 14 | 0.39 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:CD1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:CD2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:CE1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:CE2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:CG | 14 | 0.39 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:CZ | 14 | 0.39 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:H | 14 | 0.39 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:HA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:HB2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:HB3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:HD1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:HD2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:HE1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:HE2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:HH | 14 | 0.39 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:N | 14 | 0.39 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:O | 14 | 0.39 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:OH | 14 | 0.39 |
| (1,37) | 1:A:250:THR:C | 2:B:659:NH2:HN1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:C | 2:B:659:NH2:HN2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:C | 2:B:659:NH2:N | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CA | 2:B:648:ACE:C | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CA | 2:B:648:ACE:CH3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CA | 2:B:648:ACE:H1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CA | 2:B:648:ACE:H2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CA | 2:B:648:ACE:H3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CA | 2:B:648:ACE:O | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CA | 2:B:649:ASP:C | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CA | 2:B:649:ASP:CA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CA | 2:B:649:ASP:CB | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CA | 2:B:649:ASP:CG | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CA | 2:B:649:ASP:H | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CA | 2:B:649:ASP:HA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CA | 2:B:649:ASP:HB2 | 14 | 0.39 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (1,37) | 1:A:250:THR:CA | 2:B:649:ASP:HB3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CA | 2:B:649:ASP:N | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CA | 2:B:649:ASP:O | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CA | 2:B:649:ASP:OD1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CA | 2:B:649:ASP:OD2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CA | 2:B:650:GLN:C | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CA | 2:B:650:GLN:CA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CA | 2:B:650:GLN:CB | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CA | 2:B:650:GLN:CD | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CA | 2:B:650:GLN:CG | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CA | 2:B:650:GLN:H | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CA | 2:B:650:GLN:HA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CA | 2:B:650:GLN:HB2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CA | 2:B:650:GLN:HB3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CA | 2:B:650:GLN:HE21 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CA | 2:B:650:GLN:HE22 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CA | 2:B:650:GLN:HG2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CA | 2:B:650:GLN:HG3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CA | 2:B:650:GLN:N | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CA | 2:B:650:GLN:NE2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CA | 2:B:650:GLN:O | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CA | 2:B:650:GLN:OE1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CA | 2:B:651:SER:C | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CA | 2:B:651:SER:CA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CA | 2:B:651:SER:CB | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CA | 2:B:651:SER:H | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CA | 2:B:651:SER:HA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CA | 2:B:651:SER:HB2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CA | 2:B:651:SER:HB3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CA | 2:B:651:SER:HG | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CA | 2:B:651:SER:N | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CA | 2:B:651:SER:O | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CA | 2:B:651:SER:OG | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CA | 2:B:652:ASP:C | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CA | 2:B:652:ASP:CA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CA | 2:B:652:ASP:CB | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CA | 2:B:652:ASP:CG | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CA | 2:B:652:ASP:H | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CA | 2:B:652:ASP:HA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CA | 2:B:652:ASP:HB2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CA | 2:B:652:ASP:HB3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CA | 2:B:652:ASP:N | 14 | 0.39 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:CA | 2:B:652:ASP:O | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CA | 2:B:652:ASP:OD1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CA | 2:B:652:ASP:OD2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:C | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:CA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:CB | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:CD1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:CD2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:CE1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:CE2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:CG | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:CZ | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:H | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:HA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:HB2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:HB3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:HD1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:HD2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:HE1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:HE2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:HZ | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:N | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:O | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CA | 2:B:654:GLU:C | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CA | 2:B:654:GLU:CA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CA | 2:B:654:GLU:CB | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CA | 2:B:654:GLU:CD | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CA | 2:B:654:GLU:CG | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CA | 2:B:654:GLU:H | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CA | 2:B:654:GLU:HA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CA | 2:B:654:GLU:HB2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CA | 2:B:654:GLU:HB3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CA | 2:B:654:GLU:HG2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CA | 2:B:654:GLU:HG3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CA | 2:B:654:GLU:N | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CA | 2:B:654:GLU:O | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CA | 2:B:654:GLU:OE1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CA | 2:B:654:GLU:OE2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CA | 2:B:655:GLY:C | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CA | 2:B:655:GLY:CA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CA | 2:B:655:GLY:H | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CA | 2:B:655:GLY:HA2 | 14 | 0.39 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:CA | 2:B:655:GLY:HA3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CA | 2:B:655:GLY:N | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CA | 2:B:655:GLY:O | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:C | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:CA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:CB | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:CD1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:CD2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:CE1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:CE2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:CG | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:CZ | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:H | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:HA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:HB2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:HB3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:HD1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:HD2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:HE1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:HE2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:HZ | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:N | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:O | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CA | 2:B:657:SEP:C | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CA | 2:B:657:SEP:CA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CA | 2:B:657:SEP:CB | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CA | 2:B:657:SEP:H | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CA | 2:B:657:SEP:HA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CA | 2:B:657:SEP:HB3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CA | 2:B:657:SEP:N | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CA | 2:B:657:SEP:O | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CA | 2:B:657:SEP:O1P | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CA | 2:B:657:SEP:O2P | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CA | 2:B:657:SEP:O3P | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CA | 2:B:657:SEP:OG | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CA | 2:B:657:SEP:P | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:C | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:CA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:CB | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:CD1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:CD2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:CE1 | 14 | 0.39 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:CE2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:CG | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:CZ | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:H | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:HA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:HB2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:HB3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:HD1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:HD2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:HE1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:HE2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:HH | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:N | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:O | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:OH | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CA | 2:B:659:NH2:HN1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CA | 2:B:659:NH2:HN2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CA | 2:B:659:NH2:N | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CB | 2:B:648:ACE:C | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CB | 2:B:648:ACE:CH3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CB | 2:B:648:ACE:H1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CB | 2:B:648:ACE:H2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CB | 2:B:648:ACE:H3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CB | 2:B:648:ACE:O | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CB | 2:B:649:ASP:C | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CB | 2:B:649:ASP:CA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CB | 2:B:649:ASP:CB | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CB | 2:B:649:ASP:CG | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CB | 2:B:649:ASP:H | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CB | 2:B:649:ASP:HA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CB | 2:B:649:ASP:HB2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CB | 2:B:649:ASP:HB3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CB | 2:B:649:ASP:N | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CB | 2:B:649:ASP:O | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CB | 2:B:649:ASP:OD1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CB | 2:B:649:ASP:OD2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CB | 2:B:650:GLN:C | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CB | 2:B:650:GLN:CA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CB | 2:B:650:GLN:CB | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CB | 2:B:650:GLN:CD | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CB | 2:B:650:GLN:CG | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CB | 2:B:650:GLN:H | 14 | 0.39 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (1,37) | 1:A:250:THR:CB | 2:B:650:GLN:HA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CB | 2:B:650:GLN:HB2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CB | 2:B:650:GLN:HB3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CB | 2:B:650:GLN:HE21 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CB | 2:B:650:GLN:HE22 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CB | 2:B:650:GLN:HG2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CB | 2:B:650:GLN:HG3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CB | 2:B:650:GLN:N | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CB | 2:B:650:GLN:NE2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CB | 2:B:650:GLN:O | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CB | 2:B:650:GLN:OE1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CB | 2:B:651:SER:C | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CB | 2:B:651:SER:CA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CB | 2:B:651:SER:CB | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CB | 2:B:651:SER:H | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CB | 2:B:651:SER:HA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CB | 2:B:651:SER:HB2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CB | 2:B:651:SER:HB3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CB | 2:B:651:SER:HG | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CB | 2:B:651:SER:N | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CB | 2:B:651:SER:O | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CB | 2:B:651:SER:OG | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CB | 2:B:652:ASP:C | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CB | 2:B:652:ASP:CA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CB | 2:B:652:ASP:CB | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CB | 2:B:652:ASP:CG | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CB | 2:B:652:ASP:H | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CB | 2:B:652:ASP:HA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CB | 2:B:652:ASP:HB2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CB | 2:B:652:ASP:HB3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CB | 2:B:652:ASP:N | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CB | 2:B:652:ASP:O | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CB | 2:B:652:ASP:OD1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CB | 2:B:652:ASP:OD2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:C | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:CA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:CB | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:CD1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:CD2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:CE1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:CE2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:CG | 14 | 0.39 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:CZ | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:H | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:HA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:HB2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:HB3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:HD1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:HD2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:HE1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:HE2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:HZ | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:N | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:O | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CB | 2:B:654:GLU:C | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CB | 2:B:654:GLU:CA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CB | 2:B:654:GLU:CB | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CB | 2:B:654:GLU:CD | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CB | 2:B:654:GLU:CG | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CB | 2:B:654:GLU:H | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CB | 2:B:654:GLU:HA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CB | 2:B:654:GLU:HB2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CB | 2:B:654:GLU:HB3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CB | 2:B:654:GLU:HG2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CB | 2:B:654:GLU:HG3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CB | 2:B:654:GLU:N | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CB | 2:B:654:GLU:O | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CB | 2:B:654:GLU:OE1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CB | 2:B:654:GLU:OE2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CB | 2:B:655:GLY:C | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CB | 2:B:655:GLY:CA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CB | 2:B:655:GLY:H | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CB | 2:B:655:GLY:HA2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CB | 2:B:655:GLY:HA3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CB | 2:B:655:GLY:N | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CB | 2:B:655:GLY:O | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:C | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:CA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:CB | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:CD1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:CD2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:CE1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:CE2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:CG | 14 | 0.39 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:CZ | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:H | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:HA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:HB2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:HB3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:HD1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:HD2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:HE1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:HE2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:HZ | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:N | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:O | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CB | 2:B:657:SEP:C | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CB | 2:B:657:SEP:CA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CB | 2:B:657:SEP:CB | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CB | 2:B:657:SEP:H | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CB | 2:B:657:SEP:HA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CB | 2:B:657:SEP:HB3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CB | 2:B:657:SEP:N | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CB | 2:B:657:SEP:O | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CB | 2:B:657:SEP:O1P | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CB | 2:B:657:SEP:O2P | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CB | 2:B:657:SEP:O3P | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CB | 2:B:657:SEP:OG | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CB | 2:B:657:SEP:P | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:C | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:CA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:CB | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:CD1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:CD2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:CE1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:CE2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:CG | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:CZ | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:H | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:HA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:HB2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:HB3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:HD1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:HD2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:HE1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:HE2 | 14 | 0.39 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|------------------|----------|---------------|
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:HH | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:N | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:O | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:OH | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CB | 2:B:659:NH2:HN1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CB | 2:B:659:NH2:HN2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CB | 2:B:659:NH2:N | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:648:ACE:C | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:648:ACE:CH3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:648:ACE:H1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:648:ACE:H2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:648:ACE:H3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:648:ACE:O | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:649:ASP:C | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:649:ASP:CA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:649:ASP:CB | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:649:ASP:CG | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:649:ASP:H | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:649:ASP:HA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:649:ASP:HB2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:649:ASP:HB3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:649:ASP:N | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:649:ASP:O | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:649:ASP:OD1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:649:ASP:OD2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:650:GLN:C | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:650:GLN:CA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:650:GLN:CB | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:650:GLN:CD | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:650:GLN:CG | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:650:GLN:H | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:650:GLN:HA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:650:GLN:HB2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:650:GLN:HB3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:650:GLN:HE21 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:650:GLN:HE22 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:650:GLN:HG2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:650:GLN:HG3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:650:GLN:N | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:650:GLN:NE2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:650:GLN:O | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:650:GLN:OE1 | 14 | 0.39 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:CG2 | 2:B:651:SER:C | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:651:SER:CA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:651:SER:CB | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:651:SER:H | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:651:SER:HA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:651:SER:HB2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:651:SER:HB3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:651:SER:HG | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:651:SER:N | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:651:SER:O | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:651:SER:OG | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:652:ASP:C | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:652:ASP:CA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:652:ASP:CB | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:652:ASP:CG | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:652:ASP:H | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:652:ASP:HA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:652:ASP:HB2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:652:ASP:HB3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:652:ASP:N | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:652:ASP:O | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:652:ASP:OD1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:652:ASP:OD2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:C | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:CA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:CB | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:CD1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:CD2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:CE1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:CE2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:CG | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:CZ | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:H | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:HA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:HB2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:HB3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:HD1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:HD2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:HE1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:HE2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:HZ | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:N | 14 | 0.39 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:O | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:654:GLU:C | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:654:GLU:CA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:654:GLU:CB | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:654:GLU:CD | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:654:GLU:CG | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:654:GLU:H | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:654:GLU:HA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:654:GLU:HB2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:654:GLU:HB3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:654:GLU:HG2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:654:GLU:HG3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:654:GLU:N | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:654:GLU:O | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:654:GLU:OE1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:654:GLU:OE2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:655:GLY:C | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:655:GLY:CA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:655:GLY:H | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:655:GLY:HA2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:655:GLY:HA3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:655:GLY:N | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:655:GLY:O | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:C | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:CA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:CB | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:CD1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:CD2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:CE1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:CE2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:CG | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:CZ | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:H | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:HA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:HB2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:HB3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:HD1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:HD2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:HE1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:HE2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:HZ | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:N | 14 | 0.39 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:O | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:657:SEP:C | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:657:SEP:CA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:657:SEP:CB | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:657:SEP:H | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:657:SEP:HA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:657:SEP:HB3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:657:SEP:N | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:657:SEP:O | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:657:SEP:O1P | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:657:SEP:O2P | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:657:SEP:O3P | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:657:SEP:OG | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:657:SEP:P | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:C | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:CA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:CB | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:CD1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:CD2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:CE1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:CE2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:CG | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:CZ | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:H | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:HA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:HB2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:HB3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:HD1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:HD2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:HE1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:HE2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:HH | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:N | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:O | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:OH | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:659:NH2:HN1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:659:NH2:HN2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:659:NH2:N | 14 | 0.39 |
| (1,37) | 1:A:250:THR:H | 2:B:648:ACE:C | 14 | 0.39 |
| (1,37) | 1:A:250:THR:H | 2:B:648:ACE:CH3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:H | 2:B:648:ACE:H1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:H | 2:B:648:ACE:H2 | 14 | 0.39 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (1,37) | 1:A:250:THR:H | 2:B:648:ACE:H3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:H | 2:B:648:ACE:O | 14 | 0.39 |
| (1,37) | 1:A:250:THR:H | 2:B:649:ASP:C | 14 | 0.39 |
| (1,37) | 1:A:250:THR:H | 2:B:649:ASP:CA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:H | 2:B:649:ASP:CB | 14 | 0.39 |
| (1,37) | 1:A:250:THR:H | 2:B:649:ASP:CG | 14 | 0.39 |
| (1,37) | 1:A:250:THR:H | 2:B:649:ASP:H | 14 | 0.39 |
| (1,37) | 1:A:250:THR:H | 2:B:649:ASP:HA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:H | 2:B:649:ASP:HB2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:H | 2:B:649:ASP:HB3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:H | 2:B:649:ASP:N | 14 | 0.39 |
| (1,37) | 1:A:250:THR:H | 2:B:649:ASP:O | 14 | 0.39 |
| (1,37) | 1:A:250:THR:H | 2:B:649:ASP:OD1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:H | 2:B:649:ASP:OD2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:H | 2:B:650:GLN:C | 14 | 0.39 |
| (1,37) | 1:A:250:THR:H | 2:B:650:GLN:CA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:H | 2:B:650:GLN:CB | 14 | 0.39 |
| (1,37) | 1:A:250:THR:H | 2:B:650:GLN:CD | 14 | 0.39 |
| (1,37) | 1:A:250:THR:H | 2:B:650:GLN:CG | 14 | 0.39 |
| (1,37) | 1:A:250:THR:H | 2:B:650:GLN:H | 14 | 0.39 |
| (1,37) | 1:A:250:THR:H | 2:B:650:GLN:HA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:H | 2:B:650:GLN:HB2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:H | 2:B:650:GLN:HB3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:H | 2:B:650:GLN:HE21 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:H | 2:B:650:GLN:HE22 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:H | 2:B:650:GLN:HG2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:H | 2:B:650:GLN:HG3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:H | 2:B:650:GLN:N | 14 | 0.39 |
| (1,37) | 1:A:250:THR:H | 2:B:650:GLN:NE2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:H | 2:B:650:GLN:O | 14 | 0.39 |
| (1,37) | 1:A:250:THR:H | 2:B:650:GLN:OE1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:H | 2:B:651:SER:C | 14 | 0.39 |
| (1,37) | 1:A:250:THR:H | 2:B:651:SER:CA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:H | 2:B:651:SER:CB | 14 | 0.39 |
| (1,37) | 1:A:250:THR:H | 2:B:651:SER:H | 14 | 0.39 |
| (1,37) | 1:A:250:THR:H | 2:B:651:SER:HA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:H | 2:B:651:SER:HB2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:H | 2:B:651:SER:HB3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:H | 2:B:651:SER:HG | 14 | 0.39 |
| (1,37) | 1:A:250:THR:H | 2:B:651:SER:N | 14 | 0.39 |
| (1,37) | 1:A:250:THR:H | 2:B:651:SER:O | 14 | 0.39 |
| (1,37) | 1:A:250:THR:H | 2:B:651:SER:OG | 14 | 0.39 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:H | 2:B:652:ASP:C | 14 | 0.39 |
| (1,37) | 1:A:250:THR:H | 2:B:652:ASP:CA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:H | 2:B:652:ASP:CB | 14 | 0.39 |
| (1,37) | 1:A:250:THR:H | 2:B:652:ASP:CG | 14 | 0.39 |
| (1,37) | 1:A:250:THR:H | 2:B:652:ASP:H | 14 | 0.39 |
| (1,37) | 1:A:250:THR:H | 2:B:652:ASP:HA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:H | 2:B:652:ASP:HB2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:H | 2:B:652:ASP:HB3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:H | 2:B:652:ASP:N | 14 | 0.39 |
| (1,37) | 1:A:250:THR:H | 2:B:652:ASP:O | 14 | 0.39 |
| (1,37) | 1:A:250:THR:H | 2:B:652:ASP:OD1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:H | 2:B:652:ASP:OD2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:C | 14 | 0.39 |
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:CA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:CB | 14 | 0.39 |
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:CD1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:CD2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:CE1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:CE2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:CG | 14 | 0.39 |
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:CZ | 14 | 0.39 |
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:H | 14 | 0.39 |
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:HA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:HB2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:HB3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:HD1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:HD2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:HE1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:HE2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:HZ | 14 | 0.39 |
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:N | 14 | 0.39 |
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:O | 14 | 0.39 |
| (1,37) | 1:A:250:THR:H | 2:B:654:GLU:C | 14 | 0.39 |
| (1,37) | 1:A:250:THR:H | 2:B:654:GLU:CA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:H | 2:B:654:GLU:CB | 14 | 0.39 |
| (1,37) | 1:A:250:THR:H | 2:B:654:GLU:CD | 14 | 0.39 |
| (1,37) | 1:A:250:THR:H | 2:B:654:GLU:CG | 14 | 0.39 |
| (1,37) | 1:A:250:THR:H | 2:B:654:GLU:H | 14 | 0.39 |
| (1,37) | 1:A:250:THR:H | 2:B:654:GLU:HA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:H | 2:B:654:GLU:HB2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:H | 2:B:654:GLU:HB3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:H | 2:B:654:GLU:HG2 | 14 | 0.39 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:H | 2:B:654:GLU:HG3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:H | 2:B:654:GLU:N | 14 | 0.39 |
| (1,37) | 1:A:250:THR:H | 2:B:654:GLU:O | 14 | 0.39 |
| (1,37) | 1:A:250:THR:H | 2:B:654:GLU:OE1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:H | 2:B:654:GLU:OE2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:H | 2:B:655:GLY:C | 14 | 0.39 |
| (1,37) | 1:A:250:THR:H | 2:B:655:GLY:CA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:H | 2:B:655:GLY:H | 14 | 0.39 |
| (1,37) | 1:A:250:THR:H | 2:B:655:GLY:HA2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:H | 2:B:655:GLY:HA3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:H | 2:B:655:GLY:N | 14 | 0.39 |
| (1,37) | 1:A:250:THR:H | 2:B:655:GLY:O | 14 | 0.39 |
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:C | 14 | 0.39 |
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:CA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:CB | 14 | 0.39 |
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:CD1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:CD2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:CE1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:CE2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:CG | 14 | 0.39 |
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:CZ | 14 | 0.39 |
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:H | 14 | 0.39 |
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:HA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:HB2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:HB3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:HD1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:HD2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:HE1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:HE2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:HZ | 14 | 0.39 |
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:N | 14 | 0.39 |
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:O | 14 | 0.39 |
| (1,37) | 1:A:250:THR:H | 2:B:657:SEP:C | 14 | 0.39 |
| (1,37) | 1:A:250:THR:H | 2:B:657:SEP:CA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:H | 2:B:657:SEP:CB | 14 | 0.39 |
| (1,37) | 1:A:250:THR:H | 2:B:657:SEP:H | 14 | 0.39 |
| (1,37) | 1:A:250:THR:H | 2:B:657:SEP:HA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:H | 2:B:657:SEP:HB3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:H | 2:B:657:SEP:N | 14 | 0.39 |
| (1,37) | 1:A:250:THR:H | 2:B:657:SEP:O | 14 | 0.39 |
| (1,37) | 1:A:250:THR:H | 2:B:657:SEP:O1P | 14 | 0.39 |
| (1,37) | 1:A:250:THR:H | 2:B:657:SEP:O2P | 14 | 0.39 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:H | 2:B:657:SEP:O3P | 14 | 0.39 |
| (1,37) | 1:A:250:THR:H | 2:B:657:SEP:OG | 14 | 0.39 |
| (1,37) | 1:A:250:THR:H | 2:B:657:SEP:P | 14 | 0.39 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:C | 14 | 0.39 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:CA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:CB | 14 | 0.39 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:CD1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:CD2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:CE1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:CE2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:CG | 14 | 0.39 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:CZ | 14 | 0.39 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:H | 14 | 0.39 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:HA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:HB2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:HB3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:HD1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:HD2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:HE1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:HE2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:HH | 14 | 0.39 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:N | 14 | 0.39 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:O | 14 | 0.39 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:OH | 14 | 0.39 |
| (1,37) | 1:A:250:THR:H | 2:B:659:NH2:HN1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:H | 2:B:659:NH2:HN2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:H | 2:B:659:NH2:N | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HA | 2:B:648:ACE:C | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HA | 2:B:648:ACE:CH3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HA | 2:B:648:ACE:H1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HA | 2:B:648:ACE:H2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HA | 2:B:648:ACE:H3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HA | 2:B:648:ACE:O | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HA | 2:B:649:ASP:C | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HA | 2:B:649:ASP:CA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HA | 2:B:649:ASP:CB | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HA | 2:B:649:ASP:CG | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HA | 2:B:649:ASP:H | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HA | 2:B:649:ASP:HA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HA | 2:B:649:ASP:HB2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HA | 2:B:649:ASP:HB3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HA | 2:B:649:ASP:N | 14 | 0.39 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (1,37) | 1:A:250:THR:HA | 2:B:649:ASP:O | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HA | 2:B:649:ASP:OD1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HA | 2:B:649:ASP:OD2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HA | 2:B:650:GLN:C | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HA | 2:B:650:GLN:CA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HA | 2:B:650:GLN:CB | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HA | 2:B:650:GLN:CD | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HA | 2:B:650:GLN:CG | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HA | 2:B:650:GLN:H | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HA | 2:B:650:GLN:HA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HA | 2:B:650:GLN:HB2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HA | 2:B:650:GLN:HB3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HA | 2:B:650:GLN:HE21 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HA | 2:B:650:GLN:HE22 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HA | 2:B:650:GLN:HG2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HA | 2:B:650:GLN:HG3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HA | 2:B:650:GLN:N | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HA | 2:B:650:GLN:NE2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HA | 2:B:650:GLN:O | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HA | 2:B:650:GLN:OE1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HA | 2:B:651:SER:C | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HA | 2:B:651:SER:CA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HA | 2:B:651:SER:CB | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HA | 2:B:651:SER:H | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HA | 2:B:651:SER:HA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HA | 2:B:651:SER:HB2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HA | 2:B:651:SER:HB3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HA | 2:B:651:SER:HG | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HA | 2:B:651:SER:N | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HA | 2:B:651:SER:O | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HA | 2:B:651:SER:OG | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HA | 2:B:652:ASP:C | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HA | 2:B:652:ASP:CA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HA | 2:B:652:ASP:CB | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HA | 2:B:652:ASP:CG | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HA | 2:B:652:ASP:H | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HA | 2:B:652:ASP:HA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HA | 2:B:652:ASP:HB2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HA | 2:B:652:ASP:HB3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HA | 2:B:652:ASP:N | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HA | 2:B:652:ASP:O | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HA | 2:B:652:ASP:OD1 | 14 | 0.39 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:HA | 2:B:652:ASP:OD2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:C | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:CA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:CB | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:CD1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:CD2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:CE1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:CE2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:CG | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:CZ | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:H | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:HA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:HB2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:HB3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:HD1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:HD2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:HE1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:HE2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:HZ | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:N | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:O | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HA | 2:B:654:GLU:C | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HA | 2:B:654:GLU:CA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HA | 2:B:654:GLU:CB | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HA | 2:B:654:GLU:CD | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HA | 2:B:654:GLU:CG | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HA | 2:B:654:GLU:H | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HA | 2:B:654:GLU:HA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HA | 2:B:654:GLU:HB2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HA | 2:B:654:GLU:HB3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HA | 2:B:654:GLU:HG2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HA | 2:B:654:GLU:HG3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HA | 2:B:654:GLU:N | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HA | 2:B:654:GLU:O | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HA | 2:B:654:GLU:OE1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HA | 2:B:654:GLU:OE2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HA | 2:B:655:GLY:C | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HA | 2:B:655:GLY:CA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HA | 2:B:655:GLY:H | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HA | 2:B:655:GLY:HA2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HA | 2:B:655:GLY:HA3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HA | 2:B:655:GLY:N | 14 | 0.39 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:HA | 2:B:655:GLY:O | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:C | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:CA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:CB | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:CD1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:CD2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:CE1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:CE2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:CG | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:CZ | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:H | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:HA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:HB2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:HB3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:HD1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:HD2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:HE1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:HE2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:HZ | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:N | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:O | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HA | 2:B:657:SEP:C | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HA | 2:B:657:SEP:CA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HA | 2:B:657:SEP:CB | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HA | 2:B:657:SEP:H | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HA | 2:B:657:SEP:HA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HA | 2:B:657:SEP:HB3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HA | 2:B:657:SEP:N | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HA | 2:B:657:SEP:O | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HA | 2:B:657:SEP:O1P | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HA | 2:B:657:SEP:O2P | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HA | 2:B:657:SEP:O3P | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HA | 2:B:657:SEP:OG | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HA | 2:B:657:SEP:P | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:C | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:CA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:CB | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:CD1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:CD2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:CE1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:CE2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:CG | 14 | 0.39 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:CZ | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:H | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:HA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:HB2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:HB3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:HD1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:HD2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:HE1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:HE2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:HH | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:N | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:O | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:OH | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HA | 2:B:659:NH2:HN1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HA | 2:B:659:NH2:HN2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HA | 2:B:659:NH2:N | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HB | 2:B:648:ACE:C | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HB | 2:B:648:ACE:CH3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HB | 2:B:648:ACE:H1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HB | 2:B:648:ACE:H2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HB | 2:B:648:ACE:H3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HB | 2:B:648:ACE:O | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HB | 2:B:649:ASP:C | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HB | 2:B:649:ASP:CA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HB | 2:B:649:ASP:CB | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HB | 2:B:649:ASP:CG | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HB | 2:B:649:ASP:H | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HB | 2:B:649:ASP:HA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HB | 2:B:649:ASP:HB2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HB | 2:B:649:ASP:HB3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HB | 2:B:649:ASP:N | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HB | 2:B:649:ASP:O | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HB | 2:B:649:ASP:OD1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HB | 2:B:649:ASP:OD2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HB | 2:B:650:GLN:C | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HB | 2:B:650:GLN:CA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HB | 2:B:650:GLN:CB | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HB | 2:B:650:GLN:CD | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HB | 2:B:650:GLN:CG | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HB | 2:B:650:GLN:H | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HB | 2:B:650:GLN:HA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HB | 2:B:650:GLN:HB2 | 14 | 0.39 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (1,37) | 1:A:250:THR:HB | 2:B:650:GLN:HB3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HB | 2:B:650:GLN:HE21 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HB | 2:B:650:GLN:HE22 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HB | 2:B:650:GLN:HG2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HB | 2:B:650:GLN:HG3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HB | 2:B:650:GLN:N | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HB | 2:B:650:GLN:NE2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HB | 2:B:650:GLN:O | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HB | 2:B:650:GLN:OE1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HB | 2:B:651:SER:C | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HB | 2:B:651:SER:CA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HB | 2:B:651:SER:CB | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HB | 2:B:651:SER:H | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HB | 2:B:651:SER:HA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HB | 2:B:651:SER:HB2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HB | 2:B:651:SER:HB3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HB | 2:B:651:SER:HG | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HB | 2:B:651:SER:N | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HB | 2:B:651:SER:O | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HB | 2:B:651:SER:OG | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HB | 2:B:652:ASP:C | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HB | 2:B:652:ASP:CA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HB | 2:B:652:ASP:CB | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HB | 2:B:652:ASP:CG | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HB | 2:B:652:ASP:H | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HB | 2:B:652:ASP:HA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HB | 2:B:652:ASP:HB2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HB | 2:B:652:ASP:HB3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HB | 2:B:652:ASP:N | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HB | 2:B:652:ASP:O | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HB | 2:B:652:ASP:OD1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HB | 2:B:652:ASP:OD2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:C | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:CA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:CB | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:CD1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:CD2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:CE1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:CE2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:CG | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:CZ | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:H | 14 | 0.39 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:HA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:HB2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:HB3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:HD1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:HD2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:HE1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:HE2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:HZ | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:N | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:O | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HB | 2:B:654:GLU:C | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HB | 2:B:654:GLU:CA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HB | 2:B:654:GLU:CB | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HB | 2:B:654:GLU:CD | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HB | 2:B:654:GLU:CG | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HB | 2:B:654:GLU:H | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HB | 2:B:654:GLU:HA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HB | 2:B:654:GLU:HB2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HB | 2:B:654:GLU:HB3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HB | 2:B:654:GLU:HG2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HB | 2:B:654:GLU:HG3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HB | 2:B:654:GLU:N | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HB | 2:B:654:GLU:O | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HB | 2:B:654:GLU:OE1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HB | 2:B:654:GLU:OE2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HB | 2:B:655:GLY:C | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HB | 2:B:655:GLY:CA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HB | 2:B:655:GLY:H | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HB | 2:B:655:GLY:HA2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HB | 2:B:655:GLY:HA3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HB | 2:B:655:GLY:N | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HB | 2:B:655:GLY:O | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:C | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:CA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:CB | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:CD1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:CD2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:CE1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:CE2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:CG | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:CZ | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:H | 14 | 0.39 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:HA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:HB2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:HB3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:HD1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:HD2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:HE1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:HE2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:HZ | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:N | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:O | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HB | 2:B:657:SEP:C | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HB | 2:B:657:SEP:CA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HB | 2:B:657:SEP:CB | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HB | 2:B:657:SEP:H | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HB | 2:B:657:SEP:HA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HB | 2:B:657:SEP:HB3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HB | 2:B:657:SEP:N | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HB | 2:B:657:SEP:O | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HB | 2:B:657:SEP:O1P | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HB | 2:B:657:SEP:O2P | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HB | 2:B:657:SEP:O3P | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HB | 2:B:657:SEP:OG | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HB | 2:B:657:SEP:P | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:C | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:CA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:CB | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:CD1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:CD2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:CE1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:CE2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:CG | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:CZ | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:H | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:HA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:HB2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:HB3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:HD1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:HD2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:HE1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:HE2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:HH | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:N | 14 | 0.39 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|------------------|----------|---------------|
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:O | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:OH | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HB | 2:B:659:NH2:HN1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HB | 2:B:659:NH2:HN2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HB | 2:B:659:NH2:N | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:648:ACE:C | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:648:ACE:CH3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:648:ACE:H1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:648:ACE:H2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:648:ACE:H3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:648:ACE:O | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:649:ASP:C | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:649:ASP:CA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:649:ASP:CB | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:649:ASP:CG | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:649:ASP:H | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:649:ASP:HA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:649:ASP:HB2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:649:ASP:HB3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:649:ASP:N | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:649:ASP:O | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:649:ASP:OD1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:649:ASP:OD2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:650:GLN:C | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:650:GLN:CA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:650:GLN:CB | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:650:GLN:CD | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:650:GLN:CG | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:650:GLN:H | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:650:GLN:HA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:650:GLN:HB2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:650:GLN:HB3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:650:GLN:HE21 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:650:GLN:HE22 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:650:GLN:HG2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:650:GLN:HG3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:650:GLN:N | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:650:GLN:NE2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:650:GLN:O | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:650:GLN:OE1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:651:SER:C | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:651:SER:CA | 14 | 0.39 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:HG1 | 2:B:651:SER:CB | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:651:SER:H | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:651:SER:HA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:651:SER:HB2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:651:SER:HB3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:651:SER:HG | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:651:SER:N | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:651:SER:O | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:651:SER:OG | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:652:ASP:C | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:652:ASP:CA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:652:ASP:CB | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:652:ASP:CG | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:652:ASP:H | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:652:ASP:HA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:652:ASP:HB2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:652:ASP:HB3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:652:ASP:N | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:652:ASP:O | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:652:ASP:OD1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:652:ASP:OD2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:C | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:CA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:CB | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:CD1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:CD2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:CE1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:CE2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:CG | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:CZ | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:H | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:HA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:HB2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:HB3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:HD1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:HD2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:HE1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:HE2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:HZ | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:N | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:O | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:654:GLU:C | 14 | 0.39 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:HG1 | 2:B:654:GLU:CA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:654:GLU:CB | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:654:GLU:CD | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:654:GLU:CG | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:654:GLU:H | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:654:GLU:HA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:654:GLU:HB2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:654:GLU:HB3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:654:GLU:HG2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:654:GLU:HG3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:654:GLU:N | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:654:GLU:O | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:654:GLU:OE1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:654:GLU:OE2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:655:GLY:C | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:655:GLY:CA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:655:GLY:H | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:655:GLY:HA2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:655:GLY:HA3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:655:GLY:N | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:655:GLY:O | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:C | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:CA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:CB | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:CD1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:CD2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:CE1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:CE2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:CG | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:CZ | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:H | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:HA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:HB2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:HB3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:HD1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:HD2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:HE1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:HE2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:HZ | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:N | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:O | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:657:SEP:C | 14 | 0.39 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:HG1 | 2:B:657:SEP:CA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:657:SEP:CB | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:657:SEP:H | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:657:SEP:HA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:657:SEP:HB3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:657:SEP:N | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:657:SEP:O | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:657:SEP:O1P | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:657:SEP:O2P | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:657:SEP:O3P | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:657:SEP:OG | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:657:SEP:P | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:C | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:CA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:CB | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:CD1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:CD2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:CE1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:CE2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:CG | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:CZ | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:H | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:HA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:HB2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:HB3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:HD1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:HD2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:HE1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:HE2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:HH | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:N | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:O | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:OH | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:659:NH2:HN1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:659:NH2:HN2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:659:NH2:N | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:648:ACE:C | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:648:ACE:CH3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:648:ACE:H1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:648:ACE:H2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:648:ACE:H3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:648:ACE:O | 14 | 0.39 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|------------------|----------|---------------|
| (1,37) | 1:A:250:THR:HG21 | 2:B:649:ASP:C | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:649:ASP:CA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:649:ASP:CB | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:649:ASP:CG | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:649:ASP:H | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:649:ASP:HA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:649:ASP:HB2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:649:ASP:HB3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:649:ASP:N | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:649:ASP:O | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:649:ASP:OD1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:649:ASP:OD2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:650:GLN:C | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:650:GLN:CA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:650:GLN:CB | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:650:GLN:CD | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:650:GLN:CG | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:650:GLN:H | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:650:GLN:HA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:650:GLN:HB2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:650:GLN:HB3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:650:GLN:HE21 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:650:GLN:HE22 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:650:GLN:HG2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:650:GLN:HG3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:650:GLN:N | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:650:GLN:NE2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:650:GLN:O | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:650:GLN:OE1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:651:SER:C | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:651:SER:CA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:651:SER:CB | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:651:SER:H | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:651:SER:HA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:651:SER:HB2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:651:SER:HB3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:651:SER:HG | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:651:SER:N | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:651:SER:O | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:651:SER:OG | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:652:ASP:C | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:652:ASP:CA | 14 | 0.39 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:HG21 | 2:B:652:ASP:CB | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:652:ASP:CG | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:652:ASP:H | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:652:ASP:HA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:652:ASP:HB2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:652:ASP:HB3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:652:ASP:N | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:652:ASP:O | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:652:ASP:OD1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:652:ASP:OD2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:C | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:CA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:CB | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:CD1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:CD2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:CE1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:CE2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:CG | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:CZ | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:H | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:HA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:HB2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:HB3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:HD1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:HD2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:HE1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:HE2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:HZ | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:N | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:O | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:654:GLU:C | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:654:GLU:CA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:654:GLU:CB | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:654:GLU:CD | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:654:GLU:CG | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:654:GLU:H | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:654:GLU:HA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:654:GLU:HB2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:654:GLU:HB3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:654:GLU:HG2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:654:GLU:HG3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:654:GLU:N | 14 | 0.39 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:HG21 | 2:B:654:GLU:O | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:654:GLU:OE1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:654:GLU:OE2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:655:GLY:C | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:655:GLY:CA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:655:GLY:H | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:655:GLY:HA2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:655:GLY:HA3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:655:GLY:N | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:655:GLY:O | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:C | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:CA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:CB | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:CD1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:CD2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:CE1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:CE2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:CG | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:CZ | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:H | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:HA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:HB2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:HB3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:HD1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:HD2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:HE1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:HE2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:HZ | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:N | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:O | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:657:SEP:C | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:657:SEP:CA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:657:SEP:CB | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:657:SEP:H | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:657:SEP:HA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:657:SEP:HB3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:657:SEP:N | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:657:SEP:O | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:657:SEP:O1P | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:657:SEP:O2P | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:657:SEP:O3P | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:657:SEP:OG | 14 | 0.39 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:HG21 | 2:B:657:SEP:P | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:C | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:CA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:CB | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:CD1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:CD2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:CE1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:CE2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:CG | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:CZ | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:H | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:HA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:HB2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:HB3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:HD1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:HD2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:HE1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:HE2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:HH | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:N | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:O | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:OH | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:659:NH2:HN1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:659:NH2:HN2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:659:NH2:N | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:648:ACE:C | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:648:ACE:CH3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:648:ACE:H1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:648:ACE:H2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:648:ACE:H3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:648:ACE:O | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:649:ASP:C | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:649:ASP:CA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:649:ASP:CB | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:649:ASP:CG | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:649:ASP:H | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:649:ASP:HA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:649:ASP:HB2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:649:ASP:HB3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:649:ASP:N | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:649:ASP:O | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:649:ASP:OD1 | 14 | 0.39 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|------------------|----------|---------------|
| (1,37) | 1:A:250:THR:HG22 | 2:B:649:ASP:OD2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:650:GLN:C | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:650:GLN:CA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:650:GLN:CB | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:650:GLN:CD | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:650:GLN:CG | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:650:GLN:H | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:650:GLN:HA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:650:GLN:HB2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:650:GLN:HB3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:650:GLN:HE21 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:650:GLN:HE22 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:650:GLN:HG2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:650:GLN:HG3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:650:GLN:N | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:650:GLN:NE2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:650:GLN:O | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:650:GLN:OE1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:651:SER:C | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:651:SER:CA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:651:SER:CB | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:651:SER:H | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:651:SER:HA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:651:SER:HB2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:651:SER:HB3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:651:SER:HG | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:651:SER:N | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:651:SER:O | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:651:SER:OG | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:652:ASP:C | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:652:ASP:CA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:652:ASP:CB | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:652:ASP:CG | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:652:ASP:H | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:652:ASP:HA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:652:ASP:HB2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:652:ASP:HB3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:652:ASP:N | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:652:ASP:O | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:652:ASP:OD1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:652:ASP:OD2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:C | 14 | 0.39 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:CA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:CB | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:CD1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:CD2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:CE1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:CE2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:CG | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:CZ | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:H | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:HA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:HB2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:HB3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:HD1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:HD2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:HE1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:HE2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:HZ | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:N | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:O | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:654:GLU:C | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:654:GLU:CA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:654:GLU:CB | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:654:GLU:CD | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:654:GLU:CG | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:654:GLU:H | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:654:GLU:HA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:654:GLU:HB2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:654:GLU:HB3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:654:GLU:HG2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:654:GLU:HG3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:654:GLU:N | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:654:GLU:O | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:654:GLU:OE1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:654:GLU:OE2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:655:GLY:C | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:655:GLY:CA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:655:GLY:H | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:655:GLY:HA2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:655:GLY:HA3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:655:GLY:N | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:655:GLY:O | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:C | 14 | 0.39 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:CA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:CB | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:CD1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:CD2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:CE1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:CE2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:CG | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:CZ | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:H | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:HA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:HB2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:HB3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:HD1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:HD2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:HE1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:HE2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:HZ | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:N | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:O | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:657:SEP:C | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:657:SEP:CA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:657:SEP:CB | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:657:SEP:H | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:657:SEP:HA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:657:SEP:HB3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:657:SEP:N | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:657:SEP:O | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:657:SEP:O1P | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:657:SEP:O2P | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:657:SEP:O3P | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:657:SEP:OG | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:657:SEP:P | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:C | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:CA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:CB | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:CD1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:CD2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:CE1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:CE2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:CG | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:CZ | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:H | 14 | 0.39 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|------------------|----------|---------------|
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:HA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:HB2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:HB3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:HD1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:HD2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:HE1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:HE2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:HH | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:N | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:O | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:OH | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:659:NH2:HN1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:659:NH2:HN2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:659:NH2:N | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:648:ACE:C | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:648:ACE:CH3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:648:ACE:H1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:648:ACE:H2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:648:ACE:H3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:648:ACE:O | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:649:ASP:C | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:649:ASP:CA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:649:ASP:CB | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:649:ASP:CG | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:649:ASP:H | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:649:ASP:HA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:649:ASP:HB2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:649:ASP:HB3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:649:ASP:N | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:649:ASP:O | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:649:ASP:OD1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:649:ASP:OD2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:650:GLN:C | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:650:GLN:CA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:650:GLN:CB | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:650:GLN:CD | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:650:GLN:CG | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:650:GLN:H | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:650:GLN:HA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:650:GLN:HB2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:650:GLN:HB3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:650:GLN:HE21 | 14 | 0.39 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|------------------|----------|---------------|
| (1,37) | 1:A:250:THR:HG23 | 2:B:650:GLN:HE22 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:650:GLN:HG2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:650:GLN:HG3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:650:GLN:N | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:650:GLN:NE2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:650:GLN:O | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:650:GLN:OE1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:651:SER:C | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:651:SER:CA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:651:SER:CB | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:651:SER:H | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:651:SER:HA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:651:SER:HB2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:651:SER:HB3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:651:SER:HG | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:651:SER:N | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:651:SER:O | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:651:SER:OG | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:652:ASP:C | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:652:ASP:CA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:652:ASP:CB | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:652:ASP:CG | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:652:ASP:H | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:652:ASP:HA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:652:ASP:HB2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:652:ASP:HB3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:652:ASP:N | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:652:ASP:O | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:652:ASP:OD1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:652:ASP:OD2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:C | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:CA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:CB | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:CD1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:CD2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:CE1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:CE2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:CG | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:CZ | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:H | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:HA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:HB2 | 14 | 0.39 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:HB3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:HD1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:HD2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:HE1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:HE2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:HZ | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:N | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:O | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:654:GLU:C | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:654:GLU:CA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:654:GLU:CB | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:654:GLU:CD | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:654:GLU:CG | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:654:GLU:H | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:654:GLU:HA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:654:GLU:HB2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:654:GLU:HB3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:654:GLU:HG2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:654:GLU:HG3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:654:GLU:N | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:654:GLU:O | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:654:GLU:OE1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:654:GLU:OE2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:655:GLY:C | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:655:GLY:CA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:655:GLY:H | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:655:GLY:HA2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:655:GLY:HA3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:655:GLY:N | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:655:GLY:O | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:C | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:CA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:CB | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:CD1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:CD2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:CE1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:CE2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:CG | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:CZ | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:H | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:HA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:HB2 | 14 | 0.39 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:HB3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:HD1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:HD2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:HE1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:HE2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:HZ | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:N | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:O | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:657:SEP:C | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:657:SEP:CA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:657:SEP:CB | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:657:SEP:H | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:657:SEP:HA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:657:SEP:HB3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:657:SEP:N | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:657:SEP:O | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:657:SEP:O1P | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:657:SEP:O2P | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:657:SEP:O3P | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:657:SEP:OG | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:657:SEP:P | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:C | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:CA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:CB | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:CD1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:CD2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:CE1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:CE2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:CG | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:CZ | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:H | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:HA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:HB2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:HB3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:HD1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:HD2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:HE1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:HE2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:HH | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:N | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:O | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:OH | 14 | 0.39 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|------------------|----------|---------------|
| (1,37) | 1:A:250:THR:HG23 | 2:B:659:NH2:HN1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:659:NH2:HN2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:659:NH2:N | 14 | 0.39 |
| (1,37) | 1:A:250:THR:N | 2:B:648:ACE:C | 14 | 0.39 |
| (1,37) | 1:A:250:THR:N | 2:B:648:ACE:CH3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:N | 2:B:648:ACE:H1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:N | 2:B:648:ACE:H2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:N | 2:B:648:ACE:H3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:N | 2:B:648:ACE:O | 14 | 0.39 |
| (1,37) | 1:A:250:THR:N | 2:B:649:ASP:C | 14 | 0.39 |
| (1,37) | 1:A:250:THR:N | 2:B:649:ASP:CA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:N | 2:B:649:ASP:CB | 14 | 0.39 |
| (1,37) | 1:A:250:THR:N | 2:B:649:ASP:CG | 14 | 0.39 |
| (1,37) | 1:A:250:THR:N | 2:B:649:ASP:H | 14 | 0.39 |
| (1,37) | 1:A:250:THR:N | 2:B:649:ASP:HA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:N | 2:B:649:ASP:HB2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:N | 2:B:649:ASP:HB3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:N | 2:B:649:ASP:N | 14 | 0.39 |
| (1,37) | 1:A:250:THR:N | 2:B:649:ASP:O | 14 | 0.39 |
| (1,37) | 1:A:250:THR:N | 2:B:649:ASP:OD1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:N | 2:B:649:ASP:OD2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:N | 2:B:650:GLN:C | 14 | 0.39 |
| (1,37) | 1:A:250:THR:N | 2:B:650:GLN:CA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:N | 2:B:650:GLN:CB | 14 | 0.39 |
| (1,37) | 1:A:250:THR:N | 2:B:650:GLN:CD | 14 | 0.39 |
| (1,37) | 1:A:250:THR:N | 2:B:650:GLN:CG | 14 | 0.39 |
| (1,37) | 1:A:250:THR:N | 2:B:650:GLN:H | 14 | 0.39 |
| (1,37) | 1:A:250:THR:N | 2:B:650:GLN:HA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:N | 2:B:650:GLN:HB2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:N | 2:B:650:GLN:HB3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:N | 2:B:650:GLN:HE21 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:N | 2:B:650:GLN:HE22 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:N | 2:B:650:GLN:HG2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:N | 2:B:650:GLN:HG3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:N | 2:B:650:GLN:N | 14 | 0.39 |
| (1,37) | 1:A:250:THR:N | 2:B:650:GLN:NE2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:N | 2:B:650:GLN:O | 14 | 0.39 |
| (1,37) | 1:A:250:THR:N | 2:B:650:GLN:OE1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:N | 2:B:651:SER:C | 14 | 0.39 |
| (1,37) | 1:A:250:THR:N | 2:B:651:SER:CA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:N | 2:B:651:SER:CB | 14 | 0.39 |
| (1,37) | 1:A:250:THR:N | 2:B:651:SER:H | 14 | 0.39 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:N | 2:B:651:SER:HA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:N | 2:B:651:SER:HB2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:N | 2:B:651:SER:HB3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:N | 2:B:651:SER:HG | 14 | 0.39 |
| (1,37) | 1:A:250:THR:N | 2:B:651:SER:N | 14 | 0.39 |
| (1,37) | 1:A:250:THR:N | 2:B:651:SER:O | 14 | 0.39 |
| (1,37) | 1:A:250:THR:N | 2:B:651:SER:OG | 14 | 0.39 |
| (1,37) | 1:A:250:THR:N | 2:B:652:ASP:C | 14 | 0.39 |
| (1,37) | 1:A:250:THR:N | 2:B:652:ASP:CA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:N | 2:B:652:ASP:CB | 14 | 0.39 |
| (1,37) | 1:A:250:THR:N | 2:B:652:ASP:CG | 14 | 0.39 |
| (1,37) | 1:A:250:THR:N | 2:B:652:ASP:H | 14 | 0.39 |
| (1,37) | 1:A:250:THR:N | 2:B:652:ASP:HA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:N | 2:B:652:ASP:HB2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:N | 2:B:652:ASP:HB3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:N | 2:B:652:ASP:N | 14 | 0.39 |
| (1,37) | 1:A:250:THR:N | 2:B:652:ASP:O | 14 | 0.39 |
| (1,37) | 1:A:250:THR:N | 2:B:652:ASP:OD1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:N | 2:B:652:ASP:OD2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:C | 14 | 0.39 |
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:CA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:CB | 14 | 0.39 |
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:CD1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:CD2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:CE1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:CE2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:CG | 14 | 0.39 |
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:CZ | 14 | 0.39 |
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:H | 14 | 0.39 |
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:HA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:HB2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:HB3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:HD1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:HD2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:HE1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:HE2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:HZ | 14 | 0.39 |
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:N | 14 | 0.39 |
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:O | 14 | 0.39 |
| (1,37) | 1:A:250:THR:N | 2:B:654:GLU:C | 14 | 0.39 |
| (1,37) | 1:A:250:THR:N | 2:B:654:GLU:CA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:N | 2:B:654:GLU:CB | 14 | 0.39 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:N | 2:B:654:GLU:CD | 14 | 0.39 |
| (1,37) | 1:A:250:THR:N | 2:B:654:GLU:CG | 14 | 0.39 |
| (1,37) | 1:A:250:THR:N | 2:B:654:GLU:H | 14 | 0.39 |
| (1,37) | 1:A:250:THR:N | 2:B:654:GLU:HA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:N | 2:B:654:GLU:HB2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:N | 2:B:654:GLU:HB3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:N | 2:B:654:GLU:HG2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:N | 2:B:654:GLU:HG3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:N | 2:B:654:GLU:N | 14 | 0.39 |
| (1,37) | 1:A:250:THR:N | 2:B:654:GLU:O | 14 | 0.39 |
| (1,37) | 1:A:250:THR:N | 2:B:654:GLU:OE1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:N | 2:B:654:GLU:OE2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:N | 2:B:655:GLY:C | 14 | 0.39 |
| (1,37) | 1:A:250:THR:N | 2:B:655:GLY:CA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:N | 2:B:655:GLY:H | 14 | 0.39 |
| (1,37) | 1:A:250:THR:N | 2:B:655:GLY:HA2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:N | 2:B:655:GLY:HA3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:N | 2:B:655:GLY:N | 14 | 0.39 |
| (1,37) | 1:A:250:THR:N | 2:B:655:GLY:O | 14 | 0.39 |
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:C | 14 | 0.39 |
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:CA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:CB | 14 | 0.39 |
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:CD1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:CD2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:CE1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:CE2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:CG | 14 | 0.39 |
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:CZ | 14 | 0.39 |
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:H | 14 | 0.39 |
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:HA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:HB2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:HB3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:HD1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:HD2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:HE1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:HE2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:HZ | 14 | 0.39 |
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:N | 14 | 0.39 |
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:O | 14 | 0.39 |
| (1,37) | 1:A:250:THR:N | 2:B:657:SEP:C | 14 | 0.39 |
| (1,37) | 1:A:250:THR:N | 2:B:657:SEP:CA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:N | 2:B:657:SEP:CB | 14 | 0.39 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:N | 2:B:657:SEP:H | 14 | 0.39 |
| (1,37) | 1:A:250:THR:N | 2:B:657:SEP:HA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:N | 2:B:657:SEP:HB3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:N | 2:B:657:SEP:N | 14 | 0.39 |
| (1,37) | 1:A:250:THR:N | 2:B:657:SEP:O | 14 | 0.39 |
| (1,37) | 1:A:250:THR:N | 2:B:657:SEP:O1P | 14 | 0.39 |
| (1,37) | 1:A:250:THR:N | 2:B:657:SEP:O2P | 14 | 0.39 |
| (1,37) | 1:A:250:THR:N | 2:B:657:SEP:O3P | 14 | 0.39 |
| (1,37) | 1:A:250:THR:N | 2:B:657:SEP:OG | 14 | 0.39 |
| (1,37) | 1:A:250:THR:N | 2:B:657:SEP:P | 14 | 0.39 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:C | 14 | 0.39 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:CA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:CB | 14 | 0.39 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:CD1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:CD2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:CE1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:CE2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:CG | 14 | 0.39 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:CZ | 14 | 0.39 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:H | 14 | 0.39 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:HA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:HB2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:HB3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:HD1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:HD2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:HE1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:HE2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:HH | 14 | 0.39 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:N | 14 | 0.39 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:O | 14 | 0.39 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:OH | 14 | 0.39 |
| (1,37) | 1:A:250:THR:N | 2:B:659:NH2:HN1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:N | 2:B:659:NH2:HN2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:N | 2:B:659:NH2:N | 14 | 0.39 |
| (1,37) | 1:A:250:THR:O | 2:B:648:ACE:C | 14 | 0.39 |
| (1,37) | 1:A:250:THR:O | 2:B:648:ACE:CH3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:O | 2:B:648:ACE:H1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:O | 2:B:648:ACE:H2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:O | 2:B:648:ACE:H3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:O | 2:B:648:ACE:O | 14 | 0.39 |
| (1,37) | 1:A:250:THR:O | 2:B:649:ASP:C | 14 | 0.39 |
| (1,37) | 1:A:250:THR:O | 2:B:649:ASP:CA | 14 | 0.39 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (1,37) | 1:A:250:THR:O | 2:B:649:ASP:CB | 14 | 0.39 |
| (1,37) | 1:A:250:THR:O | 2:B:649:ASP:CG | 14 | 0.39 |
| (1,37) | 1:A:250:THR:O | 2:B:649:ASP:H | 14 | 0.39 |
| (1,37) | 1:A:250:THR:O | 2:B:649:ASP:HA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:O | 2:B:649:ASP:HB2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:O | 2:B:649:ASP:HB3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:O | 2:B:649:ASP:N | 14 | 0.39 |
| (1,37) | 1:A:250:THR:O | 2:B:649:ASP:O | 14 | 0.39 |
| (1,37) | 1:A:250:THR:O | 2:B:649:ASP:OD1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:O | 2:B:649:ASP:OD2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:O | 2:B:650:GLN:C | 14 | 0.39 |
| (1,37) | 1:A:250:THR:O | 2:B:650:GLN:CA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:O | 2:B:650:GLN:CB | 14 | 0.39 |
| (1,37) | 1:A:250:THR:O | 2:B:650:GLN:CD | 14 | 0.39 |
| (1,37) | 1:A:250:THR:O | 2:B:650:GLN:CG | 14 | 0.39 |
| (1,37) | 1:A:250:THR:O | 2:B:650:GLN:H | 14 | 0.39 |
| (1,37) | 1:A:250:THR:O | 2:B:650:GLN:HA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:O | 2:B:650:GLN:HB2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:O | 2:B:650:GLN:HB3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:O | 2:B:650:GLN:HE21 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:O | 2:B:650:GLN:HE22 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:O | 2:B:650:GLN:HG2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:O | 2:B:650:GLN:HG3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:O | 2:B:650:GLN:N | 14 | 0.39 |
| (1,37) | 1:A:250:THR:O | 2:B:650:GLN:NE2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:O | 2:B:650:GLN:O | 14 | 0.39 |
| (1,37) | 1:A:250:THR:O | 2:B:650:GLN:OE1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:O | 2:B:651:SER:C | 14 | 0.39 |
| (1,37) | 1:A:250:THR:O | 2:B:651:SER:CA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:O | 2:B:651:SER:CB | 14 | 0.39 |
| (1,37) | 1:A:250:THR:O | 2:B:651:SER:H | 14 | 0.39 |
| (1,37) | 1:A:250:THR:O | 2:B:651:SER:HA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:O | 2:B:651:SER:HB2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:O | 2:B:651:SER:HB3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:O | 2:B:651:SER:HG | 14 | 0.39 |
| (1,37) | 1:A:250:THR:O | 2:B:651:SER:N | 14 | 0.39 |
| (1,37) | 1:A:250:THR:O | 2:B:651:SER:O | 14 | 0.39 |
| (1,37) | 1:A:250:THR:O | 2:B:651:SER:OG | 14 | 0.39 |
| (1,37) | 1:A:250:THR:O | 2:B:652:ASP:C | 14 | 0.39 |
| (1,37) | 1:A:250:THR:O | 2:B:652:ASP:CA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:O | 2:B:652:ASP:CB | 14 | 0.39 |
| (1,37) | 1:A:250:THR:O | 2:B:652:ASP:CG | 14 | 0.39 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:O | 2:B:652:ASP:H | 14 | 0.39 |
| (1,37) | 1:A:250:THR:O | 2:B:652:ASP:HA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:O | 2:B:652:ASP:HB2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:O | 2:B:652:ASP:HB3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:O | 2:B:652:ASP:N | 14 | 0.39 |
| (1,37) | 1:A:250:THR:O | 2:B:652:ASP:O | 14 | 0.39 |
| (1,37) | 1:A:250:THR:O | 2:B:652:ASP:OD1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:O | 2:B:652:ASP:OD2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:C | 14 | 0.39 |
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:CA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:CB | 14 | 0.39 |
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:CD1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:CD2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:CE1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:CE2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:CG | 14 | 0.39 |
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:CZ | 14 | 0.39 |
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:H | 14 | 0.39 |
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:HA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:HB2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:HB3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:HD1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:HD2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:HE1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:HE2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:HZ | 14 | 0.39 |
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:N | 14 | 0.39 |
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:O | 14 | 0.39 |
| (1,37) | 1:A:250:THR:O | 2:B:654:GLU:C | 14 | 0.39 |
| (1,37) | 1:A:250:THR:O | 2:B:654:GLU:CA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:O | 2:B:654:GLU:CB | 14 | 0.39 |
| (1,37) | 1:A:250:THR:O | 2:B:654:GLU:CD | 14 | 0.39 |
| (1,37) | 1:A:250:THR:O | 2:B:654:GLU:CG | 14 | 0.39 |
| (1,37) | 1:A:250:THR:O | 2:B:654:GLU:H | 14 | 0.39 |
| (1,37) | 1:A:250:THR:O | 2:B:654:GLU:HA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:O | 2:B:654:GLU:HB2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:O | 2:B:654:GLU:HB3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:O | 2:B:654:GLU:HG2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:O | 2:B:654:GLU:HG3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:O | 2:B:654:GLU:N | 14 | 0.39 |
| (1,37) | 1:A:250:THR:O | 2:B:654:GLU:O | 14 | 0.39 |
| (1,37) | 1:A:250:THR:O | 2:B:654:GLU:OE1 | 14 | 0.39 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:O | 2:B:654:GLU:OE2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:O | 2:B:655:GLY:C | 14 | 0.39 |
| (1,37) | 1:A:250:THR:O | 2:B:655:GLY:CA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:O | 2:B:655:GLY:H | 14 | 0.39 |
| (1,37) | 1:A:250:THR:O | 2:B:655:GLY:HA2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:O | 2:B:655:GLY:HA3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:O | 2:B:655:GLY:N | 14 | 0.39 |
| (1,37) | 1:A:250:THR:O | 2:B:655:GLY:O | 14 | 0.39 |
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:C | 14 | 0.39 |
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:CA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:CB | 14 | 0.39 |
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:CD1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:CD2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:CE1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:CE2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:CG | 14 | 0.39 |
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:CZ | 14 | 0.39 |
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:H | 14 | 0.39 |
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:HA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:HB2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:HB3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:HD1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:HD2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:HE1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:HE2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:HZ | 14 | 0.39 |
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:N | 14 | 0.39 |
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:O | 14 | 0.39 |
| (1,37) | 1:A:250:THR:O | 2:B:657:SEP:C | 14 | 0.39 |
| (1,37) | 1:A:250:THR:O | 2:B:657:SEP:CA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:O | 2:B:657:SEP:CB | 14 | 0.39 |
| (1,37) | 1:A:250:THR:O | 2:B:657:SEP:H | 14 | 0.39 |
| (1,37) | 1:A:250:THR:O | 2:B:657:SEP:HA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:O | 2:B:657:SEP:HB3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:O | 2:B:657:SEP:N | 14 | 0.39 |
| (1,37) | 1:A:250:THR:O | 2:B:657:SEP:O | 14 | 0.39 |
| (1,37) | 1:A:250:THR:O | 2:B:657:SEP:O1P | 14 | 0.39 |
| (1,37) | 1:A:250:THR:O | 2:B:657:SEP:O2P | 14 | 0.39 |
| (1,37) | 1:A:250:THR:O | 2:B:657:SEP:O3P | 14 | 0.39 |
| (1,37) | 1:A:250:THR:O | 2:B:657:SEP:OG | 14 | 0.39 |
| (1,37) | 1:A:250:THR:O | 2:B:657:SEP:P | 14 | 0.39 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:C | 14 | 0.39 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:CA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:CB | 14 | 0.39 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:CD1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:CD2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:CE1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:CE2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:CG | 14 | 0.39 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:CZ | 14 | 0.39 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:H | 14 | 0.39 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:HA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:HB2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:HB3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:HD1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:HD2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:HE1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:HE2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:HH | 14 | 0.39 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:N | 14 | 0.39 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:O | 14 | 0.39 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:OH | 14 | 0.39 |
| (1,37) | 1:A:250:THR:O | 2:B:659:NH2:HN1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:O | 2:B:659:NH2:HN2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:O | 2:B:659:NH2:N | 14 | 0.39 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:648:ACE:C | 14 | 0.39 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:648:ACE:CH3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:648:ACE:H1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:648:ACE:H2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:648:ACE:H3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:648:ACE:O | 14 | 0.39 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:649:ASP:C | 14 | 0.39 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:649:ASP:CA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:649:ASP:CB | 14 | 0.39 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:649:ASP:CG | 14 | 0.39 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:649:ASP:H | 14 | 0.39 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:649:ASP:HA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:649:ASP:HB2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:649:ASP:HB3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:649:ASP:N | 14 | 0.39 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:649:ASP:O | 14 | 0.39 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:649:ASP:OD1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:649:ASP:OD2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:650:GLN:C | 14 | 0.39 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|------------------|----------|---------------|
| (1,37) | 1:A:250:THR:OG1 | 2:B:650:GLN:CA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:650:GLN:CB | 14 | 0.39 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:650:GLN:CD | 14 | 0.39 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:650:GLN:CG | 14 | 0.39 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:650:GLN:H | 14 | 0.39 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:650:GLN:HA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:650:GLN:HB2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:650:GLN:HB3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:650:GLN:HE21 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:650:GLN:HE22 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:650:GLN:HG2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:650:GLN:HG3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:650:GLN:N | 14 | 0.39 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:650:GLN:NE2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:650:GLN:O | 14 | 0.39 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:650:GLN:OE1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:651:SER:C | 14 | 0.39 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:651:SER:CA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:651:SER:CB | 14 | 0.39 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:651:SER:H | 14 | 0.39 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:651:SER:HA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:651:SER:HB2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:651:SER:HB3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:651:SER:HG | 14 | 0.39 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:651:SER:N | 14 | 0.39 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:651:SER:O | 14 | 0.39 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:651:SER:OG | 14 | 0.39 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:652:ASP:C | 14 | 0.39 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:652:ASP:CA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:652:ASP:CB | 14 | 0.39 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:652:ASP:CG | 14 | 0.39 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:652:ASP:H | 14 | 0.39 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:652:ASP:HA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:652:ASP:HB2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:652:ASP:HB3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:652:ASP:N | 14 | 0.39 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:652:ASP:O | 14 | 0.39 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:652:ASP:OD1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:652:ASP:OD2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:C | 14 | 0.39 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:CA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:CB | 14 | 0.39 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:CD1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:CD2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:CE1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:CE2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:CG | 14 | 0.39 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:CZ | 14 | 0.39 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:H | 14 | 0.39 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:HA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:HB2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:HB3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:HD1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:HD2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:HE1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:HE2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:HZ | 14 | 0.39 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:N | 14 | 0.39 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:O | 14 | 0.39 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:654:GLU:C | 14 | 0.39 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:654:GLU:CA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:654:GLU:CB | 14 | 0.39 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:654:GLU:CD | 14 | 0.39 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:654:GLU:CG | 14 | 0.39 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:654:GLU:H | 14 | 0.39 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:654:GLU:HA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:654:GLU:HB2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:654:GLU:HB3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:654:GLU:HG2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:654:GLU:HG3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:654:GLU:N | 14 | 0.39 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:654:GLU:O | 14 | 0.39 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:654:GLU:OE1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:654:GLU:OE2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:655:GLY:C | 14 | 0.39 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:655:GLY:CA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:655:GLY:H | 14 | 0.39 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:655:GLY:HA2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:655:GLY:HA3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:655:GLY:N | 14 | 0.39 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:655:GLY:O | 14 | 0.39 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:C | 14 | 0.39 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:CA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:CB | 14 | 0.39 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:CD1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:CD2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:CE1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:CE2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:CG | 14 | 0.39 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:CZ | 14 | 0.39 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:H | 14 | 0.39 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:HA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:HB2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:HB3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:HD1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:HD2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:HE1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:HE2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:HZ | 14 | 0.39 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:N | 14 | 0.39 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:O | 14 | 0.39 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:657:SEP:C | 14 | 0.39 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:657:SEP:CA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:657:SEP:CB | 14 | 0.39 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:657:SEP:H | 14 | 0.39 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:657:SEP:HA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:657:SEP:HB3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:657:SEP:N | 14 | 0.39 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:657:SEP:O | 14 | 0.39 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:657:SEP:O1P | 14 | 0.39 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:657:SEP:O2P | 14 | 0.39 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:657:SEP:O3P | 14 | 0.39 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:657:SEP:OG | 14 | 0.39 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:657:SEP:P | 14 | 0.39 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:C | 14 | 0.39 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:CA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:CB | 14 | 0.39 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:CD1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:CD2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:CE1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:CE2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:CG | 14 | 0.39 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:CZ | 14 | 0.39 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:H | 14 | 0.39 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:HA | 14 | 0.39 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:HB2 | 14 | 0.39 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|------------------|----------|---------------|
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:HB3 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:HD1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:HD2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:HE1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:HE2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:HH | 14 | 0.39 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:N | 14 | 0.39 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:O | 14 | 0.39 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:OH | 14 | 0.39 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:659:NH2:HN1 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:659:NH2:HN2 | 14 | 0.39 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:659:NH2:N | 14 | 0.39 |
| (1,37) | 1:A:250:THR:C | 2:B:648:ACE:C | 19 | 0.33 |
| (1,37) | 1:A:250:THR:C | 2:B:648:ACE:CH3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:C | 2:B:648:ACE:H1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:C | 2:B:648:ACE:H2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:C | 2:B:648:ACE:H3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:C | 2:B:648:ACE:O | 19 | 0.33 |
| (1,37) | 1:A:250:THR:C | 2:B:649:ASP:C | 19 | 0.33 |
| (1,37) | 1:A:250:THR:C | 2:B:649:ASP:CA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:C | 2:B:649:ASP:CB | 19 | 0.33 |
| (1,37) | 1:A:250:THR:C | 2:B:649:ASP:CG | 19 | 0.33 |
| (1,37) | 1:A:250:THR:C | 2:B:649:ASP:H | 19 | 0.33 |
| (1,37) | 1:A:250:THR:C | 2:B:649:ASP:HA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:C | 2:B:649:ASP:HB2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:C | 2:B:649:ASP:HB3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:C | 2:B:649:ASP:N | 19 | 0.33 |
| (1,37) | 1:A:250:THR:C | 2:B:649:ASP:O | 19 | 0.33 |
| (1,37) | 1:A:250:THR:C | 2:B:649:ASP:OD1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:C | 2:B:649:ASP:OD2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:C | 2:B:650:GLN:C | 19 | 0.33 |
| (1,37) | 1:A:250:THR:C | 2:B:650:GLN:CA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:C | 2:B:650:GLN:CB | 19 | 0.33 |
| (1,37) | 1:A:250:THR:C | 2:B:650:GLN:CD | 19 | 0.33 |
| (1,37) | 1:A:250:THR:C | 2:B:650:GLN:CG | 19 | 0.33 |
| (1,37) | 1:A:250:THR:C | 2:B:650:GLN:H | 19 | 0.33 |
| (1,37) | 1:A:250:THR:C | 2:B:650:GLN:HA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:C | 2:B:650:GLN:HB2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:C | 2:B:650:GLN:HB3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:C | 2:B:650:GLN:HE21 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:C | 2:B:650:GLN:HE22 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:C | 2:B:650:GLN:HG2 | 19 | 0.33 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:C | 2:B:650:GLN:HG3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:C | 2:B:650:GLN:N | 19 | 0.33 |
| (1,37) | 1:A:250:THR:C | 2:B:650:GLN:NE2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:C | 2:B:650:GLN:O | 19 | 0.33 |
| (1,37) | 1:A:250:THR:C | 2:B:650:GLN:OE1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:C | 2:B:651:SER:C | 19 | 0.33 |
| (1,37) | 1:A:250:THR:C | 2:B:651:SER:CA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:C | 2:B:651:SER:CB | 19 | 0.33 |
| (1,37) | 1:A:250:THR:C | 2:B:651:SER:H | 19 | 0.33 |
| (1,37) | 1:A:250:THR:C | 2:B:651:SER:HA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:C | 2:B:651:SER:HB2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:C | 2:B:651:SER:HB3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:C | 2:B:651:SER:HG | 19 | 0.33 |
| (1,37) | 1:A:250:THR:C | 2:B:651:SER:N | 19 | 0.33 |
| (1,37) | 1:A:250:THR:C | 2:B:651:SER:O | 19 | 0.33 |
| (1,37) | 1:A:250:THR:C | 2:B:651:SER:OG | 19 | 0.33 |
| (1,37) | 1:A:250:THR:C | 2:B:652:ASP:C | 19 | 0.33 |
| (1,37) | 1:A:250:THR:C | 2:B:652:ASP:CA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:C | 2:B:652:ASP:CB | 19 | 0.33 |
| (1,37) | 1:A:250:THR:C | 2:B:652:ASP:CG | 19 | 0.33 |
| (1,37) | 1:A:250:THR:C | 2:B:652:ASP:H | 19 | 0.33 |
| (1,37) | 1:A:250:THR:C | 2:B:652:ASP:HA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:C | 2:B:652:ASP:HB2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:C | 2:B:652:ASP:HB3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:C | 2:B:652:ASP:N | 19 | 0.33 |
| (1,37) | 1:A:250:THR:C | 2:B:652:ASP:O | 19 | 0.33 |
| (1,37) | 1:A:250:THR:C | 2:B:652:ASP:OD1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:C | 2:B:652:ASP:OD2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:C | 19 | 0.33 |
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:CA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:CB | 19 | 0.33 |
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:CD1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:CD2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:CE1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:CE2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:CG | 19 | 0.33 |
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:CZ | 19 | 0.33 |
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:H | 19 | 0.33 |
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:HA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:HB2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:HB3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:HD1 | 19 | 0.33 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:HD2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:HE1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:HE2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:HZ | 19 | 0.33 |
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:N | 19 | 0.33 |
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:O | 19 | 0.33 |
| (1,37) | 1:A:250:THR:C | 2:B:654:GLU:C | 19 | 0.33 |
| (1,37) | 1:A:250:THR:C | 2:B:654:GLU:CA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:C | 2:B:654:GLU:CB | 19 | 0.33 |
| (1,37) | 1:A:250:THR:C | 2:B:654:GLU:CD | 19 | 0.33 |
| (1,37) | 1:A:250:THR:C | 2:B:654:GLU:CG | 19 | 0.33 |
| (1,37) | 1:A:250:THR:C | 2:B:654:GLU:H | 19 | 0.33 |
| (1,37) | 1:A:250:THR:C | 2:B:654:GLU:HA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:C | 2:B:654:GLU:HB2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:C | 2:B:654:GLU:HB3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:C | 2:B:654:GLU:HG2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:C | 2:B:654:GLU:HG3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:C | 2:B:654:GLU:N | 19 | 0.33 |
| (1,37) | 1:A:250:THR:C | 2:B:654:GLU:O | 19 | 0.33 |
| (1,37) | 1:A:250:THR:C | 2:B:654:GLU:OE1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:C | 2:B:654:GLU:OE2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:C | 2:B:655:GLY:C | 19 | 0.33 |
| (1,37) | 1:A:250:THR:C | 2:B:655:GLY:CA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:C | 2:B:655:GLY:H | 19 | 0.33 |
| (1,37) | 1:A:250:THR:C | 2:B:655:GLY:HA2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:C | 2:B:655:GLY:HA3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:C | 2:B:655:GLY:N | 19 | 0.33 |
| (1,37) | 1:A:250:THR:C | 2:B:655:GLY:O | 19 | 0.33 |
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:C | 19 | 0.33 |
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:CA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:CB | 19 | 0.33 |
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:CD1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:CD2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:CE1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:CE2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:CG | 19 | 0.33 |
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:CZ | 19 | 0.33 |
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:H | 19 | 0.33 |
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:HA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:HB2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:HB3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:HD1 | 19 | 0.33 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:HD2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:HE1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:HE2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:HZ | 19 | 0.33 |
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:N | 19 | 0.33 |
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:O | 19 | 0.33 |
| (1,37) | 1:A:250:THR:C | 2:B:657:SEP:C | 19 | 0.33 |
| (1,37) | 1:A:250:THR:C | 2:B:657:SEP:CA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:C | 2:B:657:SEP:CB | 19 | 0.33 |
| (1,37) | 1:A:250:THR:C | 2:B:657:SEP:H | 19 | 0.33 |
| (1,37) | 1:A:250:THR:C | 2:B:657:SEP:HA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:C | 2:B:657:SEP:HB3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:C | 2:B:657:SEP:N | 19 | 0.33 |
| (1,37) | 1:A:250:THR:C | 2:B:657:SEP:O | 19 | 0.33 |
| (1,37) | 1:A:250:THR:C | 2:B:657:SEP:O1P | 19 | 0.33 |
| (1,37) | 1:A:250:THR:C | 2:B:657:SEP:O2P | 19 | 0.33 |
| (1,37) | 1:A:250:THR:C | 2:B:657:SEP:O3P | 19 | 0.33 |
| (1,37) | 1:A:250:THR:C | 2:B:657:SEP:OG | 19 | 0.33 |
| (1,37) | 1:A:250:THR:C | 2:B:657:SEP:P | 19 | 0.33 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:C | 19 | 0.33 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:CA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:CB | 19 | 0.33 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:CD1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:CD2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:CE1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:CE2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:CG | 19 | 0.33 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:CZ | 19 | 0.33 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:H | 19 | 0.33 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:HA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:HB2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:HB3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:HD1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:HD2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:HE1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:HE2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:HH | 19 | 0.33 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:N | 19 | 0.33 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:O | 19 | 0.33 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:OH | 19 | 0.33 |
| (1,37) | 1:A:250:THR:C | 2:B:659:NH2:HN1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:C | 2:B:659:NH2:HN2 | 19 | 0.33 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (1,37) | 1:A:250:THR:C | 2:B:659:NH2:N | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CA | 2:B:648:ACE:C | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CA | 2:B:648:ACE:CH3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CA | 2:B:648:ACE:H1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CA | 2:B:648:ACE:H2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CA | 2:B:648:ACE:H3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CA | 2:B:648:ACE:O | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CA | 2:B:649:ASP:C | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CA | 2:B:649:ASP:CA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CA | 2:B:649:ASP:CB | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CA | 2:B:649:ASP:CG | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CA | 2:B:649:ASP:H | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CA | 2:B:649:ASP:HA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CA | 2:B:649:ASP:HB2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CA | 2:B:649:ASP:HB3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CA | 2:B:649:ASP:N | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CA | 2:B:649:ASP:O | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CA | 2:B:649:ASP:OD1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CA | 2:B:649:ASP:OD2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CA | 2:B:650:GLN:C | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CA | 2:B:650:GLN:CA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CA | 2:B:650:GLN:CB | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CA | 2:B:650:GLN:CD | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CA | 2:B:650:GLN:CG | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CA | 2:B:650:GLN:H | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CA | 2:B:650:GLN:HA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CA | 2:B:650:GLN:HB2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CA | 2:B:650:GLN:HB3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CA | 2:B:650:GLN:HE21 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CA | 2:B:650:GLN:HE22 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CA | 2:B:650:GLN:HG2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CA | 2:B:650:GLN:HG3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CA | 2:B:650:GLN:N | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CA | 2:B:650:GLN:NE2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CA | 2:B:650:GLN:O | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CA | 2:B:650:GLN:OE1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CA | 2:B:651:SER:C | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CA | 2:B:651:SER:CA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CA | 2:B:651:SER:CB | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CA | 2:B:651:SER:H | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CA | 2:B:651:SER:HA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CA | 2:B:651:SER:HB2 | 19 | 0.33 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:CA | 2:B:651:SER:HB3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CA | 2:B:651:SER:HG | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CA | 2:B:651:SER:N | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CA | 2:B:651:SER:O | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CA | 2:B:651:SER:OG | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CA | 2:B:652:ASP:C | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CA | 2:B:652:ASP:CA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CA | 2:B:652:ASP:CB | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CA | 2:B:652:ASP:CG | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CA | 2:B:652:ASP:H | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CA | 2:B:652:ASP:HA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CA | 2:B:652:ASP:HB2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CA | 2:B:652:ASP:HB3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CA | 2:B:652:ASP:N | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CA | 2:B:652:ASP:O | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CA | 2:B:652:ASP:OD1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CA | 2:B:652:ASP:OD2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:C | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:CA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:CB | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:CD1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:CD2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:CE1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:CE2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:CG | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:CZ | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:H | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:HA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:HB2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:HB3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:HD1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:HD2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:HE1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:HE2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:HZ | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:N | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:O | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CA | 2:B:654:GLU:C | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CA | 2:B:654:GLU:CA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CA | 2:B:654:GLU:CB | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CA | 2:B:654:GLU:CD | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CA | 2:B:654:GLU:CG | 19 | 0.33 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:CA | 2:B:654:GLU:H | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CA | 2:B:654:GLU:HA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CA | 2:B:654:GLU:HB2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CA | 2:B:654:GLU:HB3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CA | 2:B:654:GLU:HG2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CA | 2:B:654:GLU:HG3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CA | 2:B:654:GLU:N | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CA | 2:B:654:GLU:O | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CA | 2:B:654:GLU:OE1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CA | 2:B:654:GLU:OE2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CA | 2:B:655:GLY:C | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CA | 2:B:655:GLY:CA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CA | 2:B:655:GLY:H | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CA | 2:B:655:GLY:HA2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CA | 2:B:655:GLY:HA3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CA | 2:B:655:GLY:N | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CA | 2:B:655:GLY:O | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:C | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:CA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:CB | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:CD1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:CD2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:CE1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:CE2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:CG | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:CZ | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:H | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:HA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:HB2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:HB3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:HD1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:HD2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:HE1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:HE2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:HZ | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:N | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:O | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CA | 2:B:657:SEP:C | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CA | 2:B:657:SEP:CA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CA | 2:B:657:SEP:CB | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CA | 2:B:657:SEP:H | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CA | 2:B:657:SEP:HA | 19 | 0.33 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:CA | 2:B:657:SEP:HB3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CA | 2:B:657:SEP:N | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CA | 2:B:657:SEP:O | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CA | 2:B:657:SEP:O1P | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CA | 2:B:657:SEP:O2P | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CA | 2:B:657:SEP:O3P | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CA | 2:B:657:SEP:OG | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CA | 2:B:657:SEP:P | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:C | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:CA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:CB | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:CD1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:CD2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:CE1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:CE2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:CG | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:CZ | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:H | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:HA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:HB2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:HB3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:HD1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:HD2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:HE1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:HE2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:HH | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:N | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:O | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:OH | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CA | 2:B:659:NH2:HN1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CA | 2:B:659:NH2:HN2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CA | 2:B:659:NH2:N | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CB | 2:B:648:ACE:C | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CB | 2:B:648:ACE:CH3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CB | 2:B:648:ACE:H1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CB | 2:B:648:ACE:H2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CB | 2:B:648:ACE:H3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CB | 2:B:648:ACE:O | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CB | 2:B:649:ASP:C | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CB | 2:B:649:ASP:CA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CB | 2:B:649:ASP:CB | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CB | 2:B:649:ASP:CG | 19 | 0.33 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (1,37) | 1:A:250:THR:CB | 2:B:649:ASP:H | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CB | 2:B:649:ASP:HA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CB | 2:B:649:ASP:HB2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CB | 2:B:649:ASP:HB3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CB | 2:B:649:ASP:N | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CB | 2:B:649:ASP:O | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CB | 2:B:649:ASP:OD1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CB | 2:B:649:ASP:OD2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CB | 2:B:650:GLN:C | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CB | 2:B:650:GLN:CA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CB | 2:B:650:GLN:CB | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CB | 2:B:650:GLN:CD | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CB | 2:B:650:GLN:CG | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CB | 2:B:650:GLN:H | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CB | 2:B:650:GLN:HA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CB | 2:B:650:GLN:HB2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CB | 2:B:650:GLN:HB3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CB | 2:B:650:GLN:HE21 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CB | 2:B:650:GLN:HE22 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CB | 2:B:650:GLN:HG2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CB | 2:B:650:GLN:HG3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CB | 2:B:650:GLN:N | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CB | 2:B:650:GLN:NE2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CB | 2:B:650:GLN:O | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CB | 2:B:650:GLN:OE1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CB | 2:B:651:SER:C | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CB | 2:B:651:SER:CA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CB | 2:B:651:SER:CB | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CB | 2:B:651:SER:H | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CB | 2:B:651:SER:HA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CB | 2:B:651:SER:HB2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CB | 2:B:651:SER:HB3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CB | 2:B:651:SER:HG | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CB | 2:B:651:SER:N | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CB | 2:B:651:SER:O | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CB | 2:B:651:SER:OG | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CB | 2:B:652:ASP:C | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CB | 2:B:652:ASP:CA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CB | 2:B:652:ASP:CB | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CB | 2:B:652:ASP:CG | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CB | 2:B:652:ASP:H | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CB | 2:B:652:ASP:HA | 19 | 0.33 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:CB | 2:B:652:ASP:HB2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CB | 2:B:652:ASP:HB3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CB | 2:B:652:ASP:N | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CB | 2:B:652:ASP:O | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CB | 2:B:652:ASP:OD1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CB | 2:B:652:ASP:OD2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:C | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:CA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:CB | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:CD1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:CD2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:CE1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:CE2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:CG | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:CZ | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:H | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:HA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:HB2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:HB3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:HD1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:HD2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:HE1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:HE2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:HZ | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:N | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:O | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CB | 2:B:654:GLU:C | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CB | 2:B:654:GLU:CA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CB | 2:B:654:GLU:CB | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CB | 2:B:654:GLU:CD | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CB | 2:B:654:GLU:CG | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CB | 2:B:654:GLU:H | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CB | 2:B:654:GLU:HA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CB | 2:B:654:GLU:HB2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CB | 2:B:654:GLU:HB3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CB | 2:B:654:GLU:HG2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CB | 2:B:654:GLU:HG3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CB | 2:B:654:GLU:N | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CB | 2:B:654:GLU:O | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CB | 2:B:654:GLU:OE1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CB | 2:B:654:GLU:OE2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CB | 2:B:655:GLY:C | 19 | 0.33 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:CB | 2:B:655:GLY:CA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CB | 2:B:655:GLY:H | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CB | 2:B:655:GLY:HA2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CB | 2:B:655:GLY:HA3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CB | 2:B:655:GLY:N | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CB | 2:B:655:GLY:O | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:C | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:CA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:CB | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:CD1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:CD2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:CE1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:CE2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:CG | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:CZ | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:H | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:HA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:HB2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:HB3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:HD1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:HD2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:HE1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:HE2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:HZ | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:N | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:O | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CB | 2:B:657:SEP:C | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CB | 2:B:657:SEP:CA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CB | 2:B:657:SEP:CB | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CB | 2:B:657:SEP:H | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CB | 2:B:657:SEP:HA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CB | 2:B:657:SEP:HB3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CB | 2:B:657:SEP:N | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CB | 2:B:657:SEP:O | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CB | 2:B:657:SEP:O1P | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CB | 2:B:657:SEP:O2P | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CB | 2:B:657:SEP:O3P | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CB | 2:B:657:SEP:OG | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CB | 2:B:657:SEP:P | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:C | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:CA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:CB | 19 | 0.33 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:CD1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:CD2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:CE1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:CE2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:CG | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:CZ | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:H | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:HA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:HB2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:HB3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:HD1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:HD2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:HE1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:HE2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:HH | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:N | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:O | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:OH | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CB | 2:B:659:NH2:HN1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CB | 2:B:659:NH2:HN2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CB | 2:B:659:NH2:N | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:648:ACE:C | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:648:ACE:CH3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:648:ACE:H1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:648:ACE:H2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:648:ACE:H3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:648:ACE:O | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:649:ASP:C | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:649:ASP:CA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:649:ASP:CB | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:649:ASP:CG | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:649:ASP:H | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:649:ASP:HA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:649:ASP:HB2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:649:ASP:HB3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:649:ASP:N | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:649:ASP:O | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:649:ASP:OD1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:649:ASP:OD2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:650:GLN:C | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:650:GLN:CA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:650:GLN:CB | 19 | 0.33 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|------------------|----------|---------------|
| (1,37) | 1:A:250:THR:CG2 | 2:B:650:GLN:CD | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:650:GLN:CG | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:650:GLN:H | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:650:GLN:HA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:650:GLN:HB2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:650:GLN:HB3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:650:GLN:HE21 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:650:GLN:HE22 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:650:GLN:HG2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:650:GLN:HG3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:650:GLN:N | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:650:GLN:NE2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:650:GLN:O | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:650:GLN:OE1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:651:SER:C | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:651:SER:CA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:651:SER:CB | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:651:SER:H | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:651:SER:HA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:651:SER:HB2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:651:SER:HB3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:651:SER:HG | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:651:SER:N | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:651:SER:O | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:651:SER:OG | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:652:ASP:C | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:652:ASP:CA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:652:ASP:CB | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:652:ASP:CG | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:652:ASP:H | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:652:ASP:HA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:652:ASP:HB2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:652:ASP:HB3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:652:ASP:N | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:652:ASP:O | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:652:ASP:OD1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:652:ASP:OD2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:C | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:CA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:CB | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:CD1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:CD2 | 19 | 0.33 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:CE1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:CE2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:CG | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:CZ | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:H | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:HA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:HB2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:HB3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:HD1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:HD2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:HE1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:HE2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:HZ | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:N | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:O | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:654:GLU:C | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:654:GLU:CA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:654:GLU:CB | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:654:GLU:CD | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:654:GLU:CG | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:654:GLU:H | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:654:GLU:HA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:654:GLU:HB2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:654:GLU:HB3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:654:GLU:HG2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:654:GLU:HG3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:654:GLU:N | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:654:GLU:O | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:654:GLU:OE1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:654:GLU:OE2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:655:GLY:C | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:655:GLY:CA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:655:GLY:H | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:655:GLY:HA2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:655:GLY:HA3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:655:GLY:N | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:655:GLY:O | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:C | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:CA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:CB | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:CD1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:CD2 | 19 | 0.33 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:CE1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:CE2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:CG | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:CZ | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:H | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:HA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:HB2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:HB3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:HD1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:HD2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:HE1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:HE2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:HZ | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:N | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:O | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:657:SEP:C | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:657:SEP:CA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:657:SEP:CB | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:657:SEP:H | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:657:SEP:HA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:657:SEP:HB3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:657:SEP:N | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:657:SEP:O | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:657:SEP:O1P | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:657:SEP:O2P | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:657:SEP:O3P | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:657:SEP:OG | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:657:SEP:P | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:C | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:CA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:CB | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:CD1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:CD2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:CE1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:CE2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:CG | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:CZ | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:H | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:HA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:HB2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:HB3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:HD1 | 19 | 0.33 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|------------------|----------|---------------|
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:HD2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:HE1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:HE2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:HH | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:N | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:O | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:OH | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:659:NH2:HN1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:659:NH2:HN2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:659:NH2:N | 19 | 0.33 |
| (1,37) | 1:A:250:THR:H | 2:B:648:ACE:C | 19 | 0.33 |
| (1,37) | 1:A:250:THR:H | 2:B:648:ACE:CH3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:H | 2:B:648:ACE:H1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:H | 2:B:648:ACE:H2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:H | 2:B:648:ACE:H3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:H | 2:B:648:ACE:O | 19 | 0.33 |
| (1,37) | 1:A:250:THR:H | 2:B:649:ASP:C | 19 | 0.33 |
| (1,37) | 1:A:250:THR:H | 2:B:649:ASP:CA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:H | 2:B:649:ASP:CB | 19 | 0.33 |
| (1,37) | 1:A:250:THR:H | 2:B:649:ASP:CG | 19 | 0.33 |
| (1,37) | 1:A:250:THR:H | 2:B:649:ASP:H | 19 | 0.33 |
| (1,37) | 1:A:250:THR:H | 2:B:649:ASP:HA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:H | 2:B:649:ASP:HB2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:H | 2:B:649:ASP:HB3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:H | 2:B:649:ASP:N | 19 | 0.33 |
| (1,37) | 1:A:250:THR:H | 2:B:649:ASP:O | 19 | 0.33 |
| (1,37) | 1:A:250:THR:H | 2:B:649:ASP:OD1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:H | 2:B:649:ASP:OD2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:H | 2:B:650:GLN:C | 19 | 0.33 |
| (1,37) | 1:A:250:THR:H | 2:B:650:GLN:CA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:H | 2:B:650:GLN:CB | 19 | 0.33 |
| (1,37) | 1:A:250:THR:H | 2:B:650:GLN:CD | 19 | 0.33 |
| (1,37) | 1:A:250:THR:H | 2:B:650:GLN:CG | 19 | 0.33 |
| (1,37) | 1:A:250:THR:H | 2:B:650:GLN:H | 19 | 0.33 |
| (1,37) | 1:A:250:THR:H | 2:B:650:GLN:HA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:H | 2:B:650:GLN:HB2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:H | 2:B:650:GLN:HB3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:H | 2:B:650:GLN:HE21 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:H | 2:B:650:GLN:HE22 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:H | 2:B:650:GLN:HG2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:H | 2:B:650:GLN:HG3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:H | 2:B:650:GLN:N | 19 | 0.33 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:H | 2:B:650:GLN:NE2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:H | 2:B:650:GLN:O | 19 | 0.33 |
| (1,37) | 1:A:250:THR:H | 2:B:650:GLN:OE1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:H | 2:B:651:SER:C | 19 | 0.33 |
| (1,37) | 1:A:250:THR:H | 2:B:651:SER:CA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:H | 2:B:651:SER:CB | 19 | 0.33 |
| (1,37) | 1:A:250:THR:H | 2:B:651:SER:H | 19 | 0.33 |
| (1,37) | 1:A:250:THR:H | 2:B:651:SER:HA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:H | 2:B:651:SER:HB2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:H | 2:B:651:SER:HB3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:H | 2:B:651:SER:HG | 19 | 0.33 |
| (1,37) | 1:A:250:THR:H | 2:B:651:SER:N | 19 | 0.33 |
| (1,37) | 1:A:250:THR:H | 2:B:651:SER:O | 19 | 0.33 |
| (1,37) | 1:A:250:THR:H | 2:B:651:SER:OG | 19 | 0.33 |
| (1,37) | 1:A:250:THR:H | 2:B:652:ASP:C | 19 | 0.33 |
| (1,37) | 1:A:250:THR:H | 2:B:652:ASP:CA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:H | 2:B:652:ASP:CB | 19 | 0.33 |
| (1,37) | 1:A:250:THR:H | 2:B:652:ASP:CG | 19 | 0.33 |
| (1,37) | 1:A:250:THR:H | 2:B:652:ASP:H | 19 | 0.33 |
| (1,37) | 1:A:250:THR:H | 2:B:652:ASP:HA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:H | 2:B:652:ASP:HB2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:H | 2:B:652:ASP:HB3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:H | 2:B:652:ASP:N | 19 | 0.33 |
| (1,37) | 1:A:250:THR:H | 2:B:652:ASP:O | 19 | 0.33 |
| (1,37) | 1:A:250:THR:H | 2:B:652:ASP:OD1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:H | 2:B:652:ASP:OD2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:C | 19 | 0.33 |
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:CA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:CB | 19 | 0.33 |
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:CD1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:CD2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:CE1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:CE2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:CG | 19 | 0.33 |
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:CZ | 19 | 0.33 |
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:H | 19 | 0.33 |
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:HA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:HB2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:HB3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:HD1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:HD2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:HE1 | 19 | 0.33 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:HE2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:HZ | 19 | 0.33 |
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:N | 19 | 0.33 |
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:O | 19 | 0.33 |
| (1,37) | 1:A:250:THR:H | 2:B:654:GLU:C | 19 | 0.33 |
| (1,37) | 1:A:250:THR:H | 2:B:654:GLU:CA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:H | 2:B:654:GLU:CB | 19 | 0.33 |
| (1,37) | 1:A:250:THR:H | 2:B:654:GLU:CD | 19 | 0.33 |
| (1,37) | 1:A:250:THR:H | 2:B:654:GLU:CG | 19 | 0.33 |
| (1,37) | 1:A:250:THR:H | 2:B:654:GLU:H | 19 | 0.33 |
| (1,37) | 1:A:250:THR:H | 2:B:654:GLU:HA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:H | 2:B:654:GLU:HB2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:H | 2:B:654:GLU:HB3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:H | 2:B:654:GLU:HG2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:H | 2:B:654:GLU:HG3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:H | 2:B:654:GLU:N | 19 | 0.33 |
| (1,37) | 1:A:250:THR:H | 2:B:654:GLU:O | 19 | 0.33 |
| (1,37) | 1:A:250:THR:H | 2:B:654:GLU:OE1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:H | 2:B:654:GLU:OE2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:H | 2:B:655:GLY:C | 19 | 0.33 |
| (1,37) | 1:A:250:THR:H | 2:B:655:GLY:CA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:H | 2:B:655:GLY:H | 19 | 0.33 |
| (1,37) | 1:A:250:THR:H | 2:B:655:GLY:HA2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:H | 2:B:655:GLY:HA3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:H | 2:B:655:GLY:N | 19 | 0.33 |
| (1,37) | 1:A:250:THR:H | 2:B:655:GLY:O | 19 | 0.33 |
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:C | 19 | 0.33 |
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:CA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:CB | 19 | 0.33 |
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:CD1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:CD2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:CE1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:CE2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:CG | 19 | 0.33 |
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:CZ | 19 | 0.33 |
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:H | 19 | 0.33 |
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:HA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:HB2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:HB3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:HD1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:HD2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:HE1 | 19 | 0.33 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:HE2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:HZ | 19 | 0.33 |
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:N | 19 | 0.33 |
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:O | 19 | 0.33 |
| (1,37) | 1:A:250:THR:H | 2:B:657:SEP:C | 19 | 0.33 |
| (1,37) | 1:A:250:THR:H | 2:B:657:SEP:CA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:H | 2:B:657:SEP:CB | 19 | 0.33 |
| (1,37) | 1:A:250:THR:H | 2:B:657:SEP:H | 19 | 0.33 |
| (1,37) | 1:A:250:THR:H | 2:B:657:SEP:HA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:H | 2:B:657:SEP:HB3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:H | 2:B:657:SEP:N | 19 | 0.33 |
| (1,37) | 1:A:250:THR:H | 2:B:657:SEP:O | 19 | 0.33 |
| (1,37) | 1:A:250:THR:H | 2:B:657:SEP:O1P | 19 | 0.33 |
| (1,37) | 1:A:250:THR:H | 2:B:657:SEP:O2P | 19 | 0.33 |
| (1,37) | 1:A:250:THR:H | 2:B:657:SEP:O3P | 19 | 0.33 |
| (1,37) | 1:A:250:THR:H | 2:B:657:SEP:OG | 19 | 0.33 |
| (1,37) | 1:A:250:THR:H | 2:B:657:SEP:P | 19 | 0.33 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:C | 19 | 0.33 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:CA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:CB | 19 | 0.33 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:CD1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:CD2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:CE1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:CE2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:CG | 19 | 0.33 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:CZ | 19 | 0.33 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:H | 19 | 0.33 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:HA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:HB2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:HB3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:HD1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:HD2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:HE1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:HE2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:HH | 19 | 0.33 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:N | 19 | 0.33 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:O | 19 | 0.33 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:OH | 19 | 0.33 |
| (1,37) | 1:A:250:THR:H | 2:B:659:NH2:HN1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:H | 2:B:659:NH2:HN2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:H | 2:B:659:NH2:N | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HA | 2:B:648:ACE:C | 19 | 0.33 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (1,37) | 1:A:250:THR:HA | 2:B:648:ACE:CH3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HA | 2:B:648:ACE:H1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HA | 2:B:648:ACE:H2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HA | 2:B:648:ACE:H3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HA | 2:B:648:ACE:O | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HA | 2:B:649:ASP:C | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HA | 2:B:649:ASP:CA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HA | 2:B:649:ASP:CB | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HA | 2:B:649:ASP:CG | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HA | 2:B:649:ASP:H | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HA | 2:B:649:ASP:HA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HA | 2:B:649:ASP:HB2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HA | 2:B:649:ASP:HB3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HA | 2:B:649:ASP:N | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HA | 2:B:649:ASP:O | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HA | 2:B:649:ASP:OD1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HA | 2:B:649:ASP:OD2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HA | 2:B:650:GLN:C | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HA | 2:B:650:GLN:CA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HA | 2:B:650:GLN:CB | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HA | 2:B:650:GLN:CD | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HA | 2:B:650:GLN:CG | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HA | 2:B:650:GLN:H | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HA | 2:B:650:GLN:HA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HA | 2:B:650:GLN:HB2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HA | 2:B:650:GLN:HB3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HA | 2:B:650:GLN:HE21 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HA | 2:B:650:GLN:HE22 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HA | 2:B:650:GLN:HG2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HA | 2:B:650:GLN:HG3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HA | 2:B:650:GLN:N | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HA | 2:B:650:GLN:NE2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HA | 2:B:650:GLN:O | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HA | 2:B:650:GLN:OE1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HA | 2:B:651:SER:C | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HA | 2:B:651:SER:CA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HA | 2:B:651:SER:CB | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HA | 2:B:651:SER:H | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HA | 2:B:651:SER:HA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HA | 2:B:651:SER:HB2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HA | 2:B:651:SER:HB3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HA | 2:B:651:SER:HG | 19 | 0.33 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:HA | 2:B:651:SER:N | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HA | 2:B:651:SER:O | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HA | 2:B:651:SER:OG | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HA | 2:B:652:ASP:C | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HA | 2:B:652:ASP:CA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HA | 2:B:652:ASP:CB | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HA | 2:B:652:ASP:CG | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HA | 2:B:652:ASP:H | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HA | 2:B:652:ASP:HA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HA | 2:B:652:ASP:HB2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HA | 2:B:652:ASP:HB3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HA | 2:B:652:ASP:N | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HA | 2:B:652:ASP:O | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HA | 2:B:652:ASP:OD1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HA | 2:B:652:ASP:OD2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:C | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:CA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:CB | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:CD1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:CD2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:CE1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:CE2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:CG | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:CZ | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:H | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:HA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:HB2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:HB3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:HD1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:HD2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:HE1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:HE2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:HZ | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:N | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:O | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HA | 2:B:654:GLU:C | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HA | 2:B:654:GLU:CA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HA | 2:B:654:GLU:CB | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HA | 2:B:654:GLU:CD | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HA | 2:B:654:GLU:CG | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HA | 2:B:654:GLU:H | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HA | 2:B:654:GLU:HA | 19 | 0.33 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:HA | 2:B:654:GLU:HB2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HA | 2:B:654:GLU:HB3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HA | 2:B:654:GLU:HG2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HA | 2:B:654:GLU:HG3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HA | 2:B:654:GLU:N | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HA | 2:B:654:GLU:O | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HA | 2:B:654:GLU:OE1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HA | 2:B:654:GLU:OE2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HA | 2:B:655:GLY:C | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HA | 2:B:655:GLY:CA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HA | 2:B:655:GLY:H | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HA | 2:B:655:GLY:HA2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HA | 2:B:655:GLY:HA3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HA | 2:B:655:GLY:N | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HA | 2:B:655:GLY:O | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:C | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:CA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:CB | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:CD1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:CD2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:CE1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:CE2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:CG | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:CZ | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:H | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:HA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:HB2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:HB3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:HD1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:HD2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:HE1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:HE2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:HZ | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:N | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:O | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HA | 2:B:657:SEP:C | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HA | 2:B:657:SEP:CA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HA | 2:B:657:SEP:CB | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HA | 2:B:657:SEP:H | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HA | 2:B:657:SEP:HA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HA | 2:B:657:SEP:HB3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HA | 2:B:657:SEP:N | 19 | 0.33 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:HA | 2:B:657:SEP:O | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HA | 2:B:657:SEP:O1P | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HA | 2:B:657:SEP:O2P | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HA | 2:B:657:SEP:O3P | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HA | 2:B:657:SEP:OG | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HA | 2:B:657:SEP:P | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:C | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:CA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:CB | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:CD1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:CD2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:CE1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:CE2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:CG | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:CZ | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:H | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:HA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:HB2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:HB3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:HD1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:HD2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:HE1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:HE2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:HH | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:N | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:O | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:OH | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HA | 2:B:659:NH2:HN1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HA | 2:B:659:NH2:HN2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HA | 2:B:659:NH2:N | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HB | 2:B:648:ACE:C | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HB | 2:B:648:ACE:CH3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HB | 2:B:648:ACE:H1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HB | 2:B:648:ACE:H2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HB | 2:B:648:ACE:H3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HB | 2:B:648:ACE:O | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HB | 2:B:649:ASP:C | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HB | 2:B:649:ASP:CA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HB | 2:B:649:ASP:CB | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HB | 2:B:649:ASP:CG | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HB | 2:B:649:ASP:H | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HB | 2:B:649:ASP:HA | 19 | 0.33 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (1,37) | 1:A:250:THR:HB | 2:B:649:ASP:HB2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HB | 2:B:649:ASP:HB3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HB | 2:B:649:ASP:N | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HB | 2:B:649:ASP:O | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HB | 2:B:649:ASP:OD1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HB | 2:B:649:ASP:OD2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HB | 2:B:650:GLN:C | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HB | 2:B:650:GLN:CA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HB | 2:B:650:GLN:CB | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HB | 2:B:650:GLN:CD | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HB | 2:B:650:GLN:CG | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HB | 2:B:650:GLN:H | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HB | 2:B:650:GLN:HA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HB | 2:B:650:GLN:HB2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HB | 2:B:650:GLN:HB3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HB | 2:B:650:GLN:HE21 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HB | 2:B:650:GLN:HE22 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HB | 2:B:650:GLN:HG2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HB | 2:B:650:GLN:HG3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HB | 2:B:650:GLN:N | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HB | 2:B:650:GLN:NE2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HB | 2:B:650:GLN:O | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HB | 2:B:650:GLN:OE1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HB | 2:B:651:SER:C | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HB | 2:B:651:SER:CA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HB | 2:B:651:SER:CB | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HB | 2:B:651:SER:H | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HB | 2:B:651:SER:HA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HB | 2:B:651:SER:HB2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HB | 2:B:651:SER:HB3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HB | 2:B:651:SER:HG | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HB | 2:B:651:SER:N | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HB | 2:B:651:SER:O | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HB | 2:B:651:SER:OG | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HB | 2:B:652:ASP:C | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HB | 2:B:652:ASP:CA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HB | 2:B:652:ASP:CB | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HB | 2:B:652:ASP:CG | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HB | 2:B:652:ASP:H | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HB | 2:B:652:ASP:HA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HB | 2:B:652:ASP:HB2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HB | 2:B:652:ASP:HB3 | 19 | 0.33 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:HB | 2:B:652:ASP:N | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HB | 2:B:652:ASP:O | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HB | 2:B:652:ASP:OD1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HB | 2:B:652:ASP:OD2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:C | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:CA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:CB | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:CD1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:CD2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:CE1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:CE2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:CG | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:CZ | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:H | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:HA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:HB2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:HB3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:HD1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:HD2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:HE1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:HE2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:HZ | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:N | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:O | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HB | 2:B:654:GLU:C | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HB | 2:B:654:GLU:CA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HB | 2:B:654:GLU:CB | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HB | 2:B:654:GLU:CD | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HB | 2:B:654:GLU:CG | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HB | 2:B:654:GLU:H | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HB | 2:B:654:GLU:HA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HB | 2:B:654:GLU:HB2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HB | 2:B:654:GLU:HB3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HB | 2:B:654:GLU:HG2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HB | 2:B:654:GLU:HG3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HB | 2:B:654:GLU:N | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HB | 2:B:654:GLU:O | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HB | 2:B:654:GLU:OE1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HB | 2:B:654:GLU:OE2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HB | 2:B:655:GLY:C | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HB | 2:B:655:GLY:CA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HB | 2:B:655:GLY:H | 19 | 0.33 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:HB | 2:B:655:GLY:HA2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HB | 2:B:655:GLY:HA3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HB | 2:B:655:GLY:N | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HB | 2:B:655:GLY:O | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:C | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:CA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:CB | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:CD1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:CD2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:CE1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:CE2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:CG | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:CZ | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:H | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:HA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:HB2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:HB3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:HD1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:HD2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:HE1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:HE2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:HZ | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:N | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:O | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HB | 2:B:657:SEP:C | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HB | 2:B:657:SEP:CA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HB | 2:B:657:SEP:CB | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HB | 2:B:657:SEP:H | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HB | 2:B:657:SEP:HA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HB | 2:B:657:SEP:HB3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HB | 2:B:657:SEP:N | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HB | 2:B:657:SEP:O | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HB | 2:B:657:SEP:O1P | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HB | 2:B:657:SEP:O2P | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HB | 2:B:657:SEP:O3P | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HB | 2:B:657:SEP:OG | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HB | 2:B:657:SEP:P | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:C | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:CA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:CB | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:CD1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:CD2 | 19 | 0.33 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:CE1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:CE2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:CG | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:CZ | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:H | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:HA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:HB2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:HB3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:HD1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:HD2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:HE1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:HE2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:HH | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:N | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:O | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:OH | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HB | 2:B:659:NH2:HN1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HB | 2:B:659:NH2:HN2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HB | 2:B:659:NH2:N | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:648:ACE:C | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:648:ACE:CH3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:648:ACE:H1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:648:ACE:H2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:648:ACE:H3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:648:ACE:O | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:649:ASP:C | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:649:ASP:CA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:649:ASP:CB | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:649:ASP:CG | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:649:ASP:H | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:649:ASP:HA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:649:ASP:HB2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:649:ASP:HB3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:649:ASP:N | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:649:ASP:O | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:649:ASP:OD1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:649:ASP:OD2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:650:GLN:C | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:650:GLN:CA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:650:GLN:CB | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:650:GLN:CD | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:650:GLN:CG | 19 | 0.33 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|------------------|----------|---------------|
| (1,37) | 1:A:250:THR:HG1 | 2:B:650:GLN:H | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:650:GLN:HA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:650:GLN:HB2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:650:GLN:HB3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:650:GLN:HE21 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:650:GLN:HE22 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:650:GLN:HG2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:650:GLN:HG3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:650:GLN:N | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:650:GLN:NE2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:650:GLN:O | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:650:GLN:OE1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:651:SER:C | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:651:SER:CA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:651:SER:CB | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:651:SER:H | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:651:SER:HA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:651:SER:HB2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:651:SER:HB3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:651:SER:HG | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:651:SER:N | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:651:SER:O | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:651:SER:OG | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:652:ASP:C | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:652:ASP:CA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:652:ASP:CB | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:652:ASP:CG | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:652:ASP:H | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:652:ASP:HA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:652:ASP:HB2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:652:ASP:HB3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:652:ASP:N | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:652:ASP:O | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:652:ASP:OD1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:652:ASP:OD2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:C | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:CA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:CB | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:CD1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:CD2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:CE1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:CE2 | 19 | 0.33 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:CG | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:CZ | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:H | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:HA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:HB2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:HB3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:HD1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:HD2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:HE1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:HE2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:HZ | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:N | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:O | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:654:GLU:C | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:654:GLU:CA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:654:GLU:CB | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:654:GLU:CD | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:654:GLU:CG | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:654:GLU:H | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:654:GLU:HA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:654:GLU:HB2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:654:GLU:HB3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:654:GLU:HG2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:654:GLU:HG3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:654:GLU:N | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:654:GLU:O | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:654:GLU:OE1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:654:GLU:OE2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:655:GLY:C | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:655:GLY:CA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:655:GLY:H | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:655:GLY:HA2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:655:GLY:HA3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:655:GLY:N | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:655:GLY:O | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:C | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:CA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:CB | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:CD1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:CD2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:CE1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:CE2 | 19 | 0.33 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:CG | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:CZ | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:H | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:HA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:HB2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:HB3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:HD1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:HD2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:HE1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:HE2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:HZ | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:N | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:O | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:657:SEP:C | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:657:SEP:CA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:657:SEP:CB | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:657:SEP:H | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:657:SEP:HA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:657:SEP:HB3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:657:SEP:N | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:657:SEP:O | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:657:SEP:O1P | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:657:SEP:O2P | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:657:SEP:O3P | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:657:SEP:OG | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:657:SEP:P | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:C | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:CA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:CB | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:CD1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:CD2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:CE1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:CE2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:CG | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:CZ | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:H | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:HA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:HB2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:HB3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:HD1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:HD2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:HE1 | 19 | 0.33 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|------------------|----------|---------------|
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:HE2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:HH | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:N | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:O | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:OH | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:659:NH2:HN1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:659:NH2:HN2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:659:NH2:N | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:648:ACE:C | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:648:ACE:CH3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:648:ACE:H1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:648:ACE:H2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:648:ACE:H3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:648:ACE:O | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:649:ASP:C | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:649:ASP:CA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:649:ASP:CB | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:649:ASP:CG | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:649:ASP:H | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:649:ASP:HA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:649:ASP:HB2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:649:ASP:HB3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:649:ASP:N | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:649:ASP:O | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:649:ASP:OD1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:649:ASP:OD2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:650:GLN:C | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:650:GLN:CA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:650:GLN:CB | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:650:GLN:CD | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:650:GLN:CG | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:650:GLN:H | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:650:GLN:HA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:650:GLN:HB2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:650:GLN:HB3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:650:GLN:HE21 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:650:GLN:HE22 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:650:GLN:HG2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:650:GLN:HG3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:650:GLN:N | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:650:GLN:NE2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:650:GLN:O | 19 | 0.33 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:HG21 | 2:B:650:GLN:OE1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:651:SER:C | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:651:SER:CA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:651:SER:CB | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:651:SER:H | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:651:SER:HA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:651:SER:HB2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:651:SER:HB3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:651:SER:HG | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:651:SER:N | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:651:SER:O | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:651:SER:OG | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:652:ASP:C | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:652:ASP:CA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:652:ASP:CB | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:652:ASP:CG | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:652:ASP:H | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:652:ASP:HA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:652:ASP:HB2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:652:ASP:HB3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:652:ASP:N | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:652:ASP:O | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:652:ASP:OD1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:652:ASP:OD2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:C | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:CA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:CB | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:CD1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:CD2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:CE1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:CE2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:CG | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:CZ | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:H | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:HA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:HB2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:HB3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:HD1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:HD2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:HE1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:HE2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:HZ | 19 | 0.33 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:N | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:O | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:654:GLU:C | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:654:GLU:CA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:654:GLU:CB | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:654:GLU:CD | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:654:GLU:CG | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:654:GLU:H | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:654:GLU:HA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:654:GLU:HB2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:654:GLU:HB3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:654:GLU:HG2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:654:GLU:HG3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:654:GLU:N | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:654:GLU:O | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:654:GLU:OE1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:654:GLU:OE2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:655:GLY:C | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:655:GLY:CA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:655:GLY:H | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:655:GLY:HA2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:655:GLY:HA3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:655:GLY:N | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:655:GLY:O | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:C | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:CA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:CB | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:CD1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:CD2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:CE1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:CE2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:CG | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:CZ | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:H | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:HA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:HB2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:HB3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:HD1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:HD2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:HE1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:HE2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:HZ | 19 | 0.33 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:N | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:O | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:657:SEP:C | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:657:SEP:CA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:657:SEP:CB | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:657:SEP:H | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:657:SEP:HA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:657:SEP:HB3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:657:SEP:N | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:657:SEP:O | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:657:SEP:O1P | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:657:SEP:O2P | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:657:SEP:O3P | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:657:SEP:OG | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:657:SEP:P | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:C | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:CA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:CB | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:CD1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:CD2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:CE1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:CE2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:CG | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:CZ | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:H | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:HA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:HB2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:HB3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:HD1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:HD2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:HE1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:HE2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:HH | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:N | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:O | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:OH | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:659:NH2:HN1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:659:NH2:HN2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:659:NH2:N | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:648:ACE:C | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:648:ACE:CH3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:648:ACE:H1 | 19 | 0.33 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|------------------|----------|---------------|
| (1,37) | 1:A:250:THR:HG22 | 2:B:648:ACE:H2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:648:ACE:H3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:648:ACE:O | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:649:ASP:C | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:649:ASP:CA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:649:ASP:CB | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:649:ASP:CG | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:649:ASP:H | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:649:ASP:HA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:649:ASP:HB2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:649:ASP:HB3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:649:ASP:N | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:649:ASP:O | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:649:ASP:OD1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:649:ASP:OD2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:650:GLN:C | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:650:GLN:CA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:650:GLN:CB | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:650:GLN:CD | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:650:GLN:CG | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:650:GLN:H | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:650:GLN:HA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:650:GLN:HB2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:650:GLN:HB3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:650:GLN:HE21 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:650:GLN:HE22 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:650:GLN:HG2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:650:GLN:HG3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:650:GLN:N | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:650:GLN:NE2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:650:GLN:O | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:650:GLN:OE1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:651:SER:C | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:651:SER:CA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:651:SER:CB | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:651:SER:H | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:651:SER:HA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:651:SER:HB2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:651:SER:HB3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:651:SER:HG | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:651:SER:N | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:651:SER:O | 19 | 0.33 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:HG22 | 2:B:651:SER:OG | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:652:ASP:C | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:652:ASP:CA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:652:ASP:CB | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:652:ASP:CG | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:652:ASP:H | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:652:ASP:HA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:652:ASP:HB2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:652:ASP:HB3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:652:ASP:N | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:652:ASP:O | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:652:ASP:OD1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:652:ASP:OD2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:C | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:CA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:CB | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:CD1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:CD2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:CE1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:CE2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:CG | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:CZ | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:H | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:HA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:HB2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:HB3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:HD1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:HD2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:HE1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:HE2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:HZ | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:N | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:O | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:654:GLU:C | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:654:GLU:CA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:654:GLU:CB | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:654:GLU:CD | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:654:GLU:CG | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:654:GLU:H | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:654:GLU:HA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:654:GLU:HB2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:654:GLU:HB3 | 19 | 0.33 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:HG22 | 2:B:654:GLU:HG2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:654:GLU:HG3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:654:GLU:N | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:654:GLU:O | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:654:GLU:OE1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:654:GLU:OE2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:655:GLY:C | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:655:GLY:CA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:655:GLY:H | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:655:GLY:HA2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:655:GLY:HA3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:655:GLY:N | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:655:GLY:O | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:C | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:CA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:CB | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:CD1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:CD2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:CE1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:CE2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:CG | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:CZ | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:H | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:HA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:HB2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:HB3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:HD1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:HD2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:HE1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:HE2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:HZ | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:N | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:O | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:657:SEP:C | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:657:SEP:CA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:657:SEP:CB | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:657:SEP:H | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:657:SEP:HA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:657:SEP:HB3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:657:SEP:N | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:657:SEP:O | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:657:SEP:O1P | 19 | 0.33 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:HG22 | 2:B:657:SEP:O2P | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:657:SEP:O3P | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:657:SEP:OG | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:657:SEP:P | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:C | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:CA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:CB | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:CD1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:CD2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:CE1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:CE2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:CG | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:CZ | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:H | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:HA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:HB2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:HB3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:HD1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:HD2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:HE1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:HE2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:HH | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:N | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:O | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:OH | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:659:NH2:HN1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:659:NH2:HN2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:659:NH2:N | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:648:ACE:C | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:648:ACE:CH3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:648:ACE:H1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:648:ACE:H2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:648:ACE:H3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:648:ACE:O | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:649:ASP:C | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:649:ASP:CA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:649:ASP:CB | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:649:ASP:CG | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:649:ASP:H | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:649:ASP:HA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:649:ASP:HB2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:649:ASP:HB3 | 19 | 0.33 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|------------------|----------|---------------|
| (1,37) | 1:A:250:THR:HG23 | 2:B:649:ASP:N | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:649:ASP:O | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:649:ASP:OD1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:649:ASP:OD2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:650:GLN:C | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:650:GLN:CA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:650:GLN:CB | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:650:GLN:CD | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:650:GLN:CG | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:650:GLN:H | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:650:GLN:HA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:650:GLN:HB2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:650:GLN:HB3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:650:GLN:HE21 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:650:GLN:HE22 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:650:GLN:HG2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:650:GLN:HG3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:650:GLN:N | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:650:GLN:NE2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:650:GLN:O | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:650:GLN:OE1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:651:SER:C | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:651:SER:CA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:651:SER:CB | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:651:SER:H | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:651:SER:HA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:651:SER:HB2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:651:SER:HB3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:651:SER:HG | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:651:SER:N | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:651:SER:O | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:651:SER:OG | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:652:ASP:C | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:652:ASP:CA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:652:ASP:CB | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:652:ASP:CG | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:652:ASP:H | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:652:ASP:HA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:652:ASP:HB2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:652:ASP:HB3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:652:ASP:N | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:652:ASP:O | 19 | 0.33 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:HG23 | 2:B:652:ASP:OD1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:652:ASP:OD2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:C | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:CA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:CB | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:CD1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:CD2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:CE1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:CE2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:CG | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:CZ | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:H | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:HA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:HB2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:HB3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:HD1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:HD2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:HE1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:HE2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:HZ | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:N | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:O | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:654:GLU:C | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:654:GLU:CA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:654:GLU:CB | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:654:GLU:CD | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:654:GLU:CG | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:654:GLU:H | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:654:GLU:HA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:654:GLU:HB2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:654:GLU:HB3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:654:GLU:HG2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:654:GLU:HG3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:654:GLU:N | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:654:GLU:O | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:654:GLU:OE1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:654:GLU:OE2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:655:GLY:C | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:655:GLY:CA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:655:GLY:H | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:655:GLY:HA2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:655:GLY:HA3 | 19 | 0.33 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:HG23 | 2:B:655:GLY:N | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:655:GLY:O | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:C | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:CA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:CB | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:CD1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:CD2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:CE1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:CE2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:CG | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:CZ | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:H | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:HA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:HB2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:HB3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:HD1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:HD2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:HE1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:HE2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:HZ | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:N | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:O | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:657:SEP:C | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:657:SEP:CA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:657:SEP:CB | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:657:SEP:H | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:657:SEP:HA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:657:SEP:HB3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:657:SEP:N | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:657:SEP:O | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:657:SEP:O1P | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:657:SEP:O2P | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:657:SEP:O3P | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:657:SEP:OG | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:657:SEP:P | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:C | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:CA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:CB | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:CD1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:CD2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:CE1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:CE2 | 19 | 0.33 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:CG | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:CZ | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:H | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:HA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:HB2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:HB3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:HD1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:HD2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:HE1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:HE2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:HH | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:N | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:O | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:OH | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:659:NH2:HN1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:659:NH2:HN2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:659:NH2:N | 19 | 0.33 |
| (1,37) | 1:A:250:THR:N | 2:B:648:ACE:C | 19 | 0.33 |
| (1,37) | 1:A:250:THR:N | 2:B:648:ACE:CH3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:N | 2:B:648:ACE:H1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:N | 2:B:648:ACE:H2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:N | 2:B:648:ACE:H3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:N | 2:B:648:ACE:O | 19 | 0.33 |
| (1,37) | 1:A:250:THR:N | 2:B:649:ASP:C | 19 | 0.33 |
| (1,37) | 1:A:250:THR:N | 2:B:649:ASP:CA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:N | 2:B:649:ASP:CB | 19 | 0.33 |
| (1,37) | 1:A:250:THR:N | 2:B:649:ASP:CG | 19 | 0.33 |
| (1,37) | 1:A:250:THR:N | 2:B:649:ASP:H | 19 | 0.33 |
| (1,37) | 1:A:250:THR:N | 2:B:649:ASP:HA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:N | 2:B:649:ASP:HB2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:N | 2:B:649:ASP:HB3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:N | 2:B:649:ASP:N | 19 | 0.33 |
| (1,37) | 1:A:250:THR:N | 2:B:649:ASP:O | 19 | 0.33 |
| (1,37) | 1:A:250:THR:N | 2:B:649:ASP:OD1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:N | 2:B:649:ASP:OD2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:N | 2:B:650:GLN:C | 19 | 0.33 |
| (1,37) | 1:A:250:THR:N | 2:B:650:GLN:CA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:N | 2:B:650:GLN:CB | 19 | 0.33 |
| (1,37) | 1:A:250:THR:N | 2:B:650:GLN:CD | 19 | 0.33 |
| (1,37) | 1:A:250:THR:N | 2:B:650:GLN:CG | 19 | 0.33 |
| (1,37) | 1:A:250:THR:N | 2:B:650:GLN:H | 19 | 0.33 |
| (1,37) | 1:A:250:THR:N | 2:B:650:GLN:HA | 19 | 0.33 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (1,37) | 1:A:250:THR:N | 2:B:650:GLN:HB2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:N | 2:B:650:GLN:HB3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:N | 2:B:650:GLN:HE21 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:N | 2:B:650:GLN:HE22 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:N | 2:B:650:GLN:HG2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:N | 2:B:650:GLN:HG3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:N | 2:B:650:GLN:N | 19 | 0.33 |
| (1,37) | 1:A:250:THR:N | 2:B:650:GLN:NE2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:N | 2:B:650:GLN:O | 19 | 0.33 |
| (1,37) | 1:A:250:THR:N | 2:B:650:GLN:OE1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:N | 2:B:651:SER:C | 19 | 0.33 |
| (1,37) | 1:A:250:THR:N | 2:B:651:SER:CA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:N | 2:B:651:SER:CB | 19 | 0.33 |
| (1,37) | 1:A:250:THR:N | 2:B:651:SER:H | 19 | 0.33 |
| (1,37) | 1:A:250:THR:N | 2:B:651:SER:HA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:N | 2:B:651:SER:HB2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:N | 2:B:651:SER:HB3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:N | 2:B:651:SER:HG | 19 | 0.33 |
| (1,37) | 1:A:250:THR:N | 2:B:651:SER:N | 19 | 0.33 |
| (1,37) | 1:A:250:THR:N | 2:B:651:SER:O | 19 | 0.33 |
| (1,37) | 1:A:250:THR:N | 2:B:651:SER:OG | 19 | 0.33 |
| (1,37) | 1:A:250:THR:N | 2:B:652:ASP:C | 19 | 0.33 |
| (1,37) | 1:A:250:THR:N | 2:B:652:ASP:CA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:N | 2:B:652:ASP:CB | 19 | 0.33 |
| (1,37) | 1:A:250:THR:N | 2:B:652:ASP:CG | 19 | 0.33 |
| (1,37) | 1:A:250:THR:N | 2:B:652:ASP:H | 19 | 0.33 |
| (1,37) | 1:A:250:THR:N | 2:B:652:ASP:HA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:N | 2:B:652:ASP:HB2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:N | 2:B:652:ASP:HB3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:N | 2:B:652:ASP:N | 19 | 0.33 |
| (1,37) | 1:A:250:THR:N | 2:B:652:ASP:O | 19 | 0.33 |
| (1,37) | 1:A:250:THR:N | 2:B:652:ASP:OD1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:N | 2:B:652:ASP:OD2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:C | 19 | 0.33 |
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:CA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:CB | 19 | 0.33 |
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:CD1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:CD2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:CE1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:CE2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:CG | 19 | 0.33 |
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:CZ | 19 | 0.33 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:H | 19 | 0.33 |
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:HA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:HB2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:HB3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:HD1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:HD2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:HE1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:HE2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:HZ | 19 | 0.33 |
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:N | 19 | 0.33 |
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:O | 19 | 0.33 |
| (1,37) | 1:A:250:THR:N | 2:B:654:GLU:C | 19 | 0.33 |
| (1,37) | 1:A:250:THR:N | 2:B:654:GLU:CA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:N | 2:B:654:GLU:CB | 19 | 0.33 |
| (1,37) | 1:A:250:THR:N | 2:B:654:GLU:CD | 19 | 0.33 |
| (1,37) | 1:A:250:THR:N | 2:B:654:GLU:CG | 19 | 0.33 |
| (1,37) | 1:A:250:THR:N | 2:B:654:GLU:H | 19 | 0.33 |
| (1,37) | 1:A:250:THR:N | 2:B:654:GLU:HA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:N | 2:B:654:GLU:HB2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:N | 2:B:654:GLU:HB3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:N | 2:B:654:GLU:HG2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:N | 2:B:654:GLU:HG3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:N | 2:B:654:GLU:N | 19 | 0.33 |
| (1,37) | 1:A:250:THR:N | 2:B:654:GLU:O | 19 | 0.33 |
| (1,37) | 1:A:250:THR:N | 2:B:654:GLU:OE1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:N | 2:B:654:GLU:OE2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:N | 2:B:655:GLY:C | 19 | 0.33 |
| (1,37) | 1:A:250:THR:N | 2:B:655:GLY:CA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:N | 2:B:655:GLY:H | 19 | 0.33 |
| (1,37) | 1:A:250:THR:N | 2:B:655:GLY:HA2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:N | 2:B:655:GLY:HA3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:N | 2:B:655:GLY:N | 19 | 0.33 |
| (1,37) | 1:A:250:THR:N | 2:B:655:GLY:O | 19 | 0.33 |
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:C | 19 | 0.33 |
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:CA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:CB | 19 | 0.33 |
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:CD1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:CD2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:CE1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:CE2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:CG | 19 | 0.33 |
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:CZ | 19 | 0.33 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:H | 19 | 0.33 |
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:HA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:HB2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:HB3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:HD1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:HD2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:HE1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:HE2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:HZ | 19 | 0.33 |
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:N | 19 | 0.33 |
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:O | 19 | 0.33 |
| (1,37) | 1:A:250:THR:N | 2:B:657:SEP:C | 19 | 0.33 |
| (1,37) | 1:A:250:THR:N | 2:B:657:SEP:CA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:N | 2:B:657:SEP:CB | 19 | 0.33 |
| (1,37) | 1:A:250:THR:N | 2:B:657:SEP:H | 19 | 0.33 |
| (1,37) | 1:A:250:THR:N | 2:B:657:SEP:HA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:N | 2:B:657:SEP:HB3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:N | 2:B:657:SEP:N | 19 | 0.33 |
| (1,37) | 1:A:250:THR:N | 2:B:657:SEP:O | 19 | 0.33 |
| (1,37) | 1:A:250:THR:N | 2:B:657:SEP:O1P | 19 | 0.33 |
| (1,37) | 1:A:250:THR:N | 2:B:657:SEP:O2P | 19 | 0.33 |
| (1,37) | 1:A:250:THR:N | 2:B:657:SEP:O3P | 19 | 0.33 |
| (1,37) | 1:A:250:THR:N | 2:B:657:SEP:OG | 19 | 0.33 |
| (1,37) | 1:A:250:THR:N | 2:B:657:SEP:P | 19 | 0.33 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:C | 19 | 0.33 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:CA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:CB | 19 | 0.33 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:CD1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:CD2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:CE1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:CE2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:CG | 19 | 0.33 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:CZ | 19 | 0.33 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:H | 19 | 0.33 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:HA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:HB2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:HB3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:HD1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:HD2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:HE1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:HE2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:HH | 19 | 0.33 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:N | 19 | 0.33 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:O | 19 | 0.33 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:OH | 19 | 0.33 |
| (1,37) | 1:A:250:THR:N | 2:B:659:NH2:HN1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:N | 2:B:659:NH2:HN2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:N | 2:B:659:NH2:N | 19 | 0.33 |
| (1,37) | 1:A:250:THR:O | 2:B:648:ACE:C | 19 | 0.33 |
| (1,37) | 1:A:250:THR:O | 2:B:648:ACE:CH3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:O | 2:B:648:ACE:H1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:O | 2:B:648:ACE:H2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:O | 2:B:648:ACE:H3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:O | 2:B:648:ACE:O | 19 | 0.33 |
| (1,37) | 1:A:250:THR:O | 2:B:649:ASP:C | 19 | 0.33 |
| (1,37) | 1:A:250:THR:O | 2:B:649:ASP:CA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:O | 2:B:649:ASP:CB | 19 | 0.33 |
| (1,37) | 1:A:250:THR:O | 2:B:649:ASP:CG | 19 | 0.33 |
| (1,37) | 1:A:250:THR:O | 2:B:649:ASP:H | 19 | 0.33 |
| (1,37) | 1:A:250:THR:O | 2:B:649:ASP:HA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:O | 2:B:649:ASP:HB2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:O | 2:B:649:ASP:HB3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:O | 2:B:649:ASP:N | 19 | 0.33 |
| (1,37) | 1:A:250:THR:O | 2:B:649:ASP:O | 19 | 0.33 |
| (1,37) | 1:A:250:THR:O | 2:B:649:ASP:OD1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:O | 2:B:649:ASP:OD2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:O | 2:B:650:GLN:C | 19 | 0.33 |
| (1,37) | 1:A:250:THR:O | 2:B:650:GLN:CA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:O | 2:B:650:GLN:CB | 19 | 0.33 |
| (1,37) | 1:A:250:THR:O | 2:B:650:GLN:CD | 19 | 0.33 |
| (1,37) | 1:A:250:THR:O | 2:B:650:GLN:CG | 19 | 0.33 |
| (1,37) | 1:A:250:THR:O | 2:B:650:GLN:H | 19 | 0.33 |
| (1,37) | 1:A:250:THR:O | 2:B:650:GLN:HA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:O | 2:B:650:GLN:HB2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:O | 2:B:650:GLN:HB3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:O | 2:B:650:GLN:HE21 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:O | 2:B:650:GLN:HE22 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:O | 2:B:650:GLN:HG2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:O | 2:B:650:GLN:HG3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:O | 2:B:650:GLN:N | 19 | 0.33 |
| (1,37) | 1:A:250:THR:O | 2:B:650:GLN:NE2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:O | 2:B:650:GLN:O | 19 | 0.33 |
| (1,37) | 1:A:250:THR:O | 2:B:650:GLN:OE1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:O | 2:B:651:SER:C | 19 | 0.33 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:O | 2:B:651:SER:CA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:O | 2:B:651:SER:CB | 19 | 0.33 |
| (1,37) | 1:A:250:THR:O | 2:B:651:SER:H | 19 | 0.33 |
| (1,37) | 1:A:250:THR:O | 2:B:651:SER:HA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:O | 2:B:651:SER:HB2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:O | 2:B:651:SER:HB3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:O | 2:B:651:SER:HG | 19 | 0.33 |
| (1,37) | 1:A:250:THR:O | 2:B:651:SER:N | 19 | 0.33 |
| (1,37) | 1:A:250:THR:O | 2:B:651:SER:O | 19 | 0.33 |
| (1,37) | 1:A:250:THR:O | 2:B:651:SER:OG | 19 | 0.33 |
| (1,37) | 1:A:250:THR:O | 2:B:652:ASP:C | 19 | 0.33 |
| (1,37) | 1:A:250:THR:O | 2:B:652:ASP:CA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:O | 2:B:652:ASP:CB | 19 | 0.33 |
| (1,37) | 1:A:250:THR:O | 2:B:652:ASP:CG | 19 | 0.33 |
| (1,37) | 1:A:250:THR:O | 2:B:652:ASP:H | 19 | 0.33 |
| (1,37) | 1:A:250:THR:O | 2:B:652:ASP:HA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:O | 2:B:652:ASP:HB2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:O | 2:B:652:ASP:HB3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:O | 2:B:652:ASP:N | 19 | 0.33 |
| (1,37) | 1:A:250:THR:O | 2:B:652:ASP:O | 19 | 0.33 |
| (1,37) | 1:A:250:THR:O | 2:B:652:ASP:OD1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:O | 2:B:652:ASP:OD2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:C | 19 | 0.33 |
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:CA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:CB | 19 | 0.33 |
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:CD1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:CD2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:CE1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:CE2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:CG | 19 | 0.33 |
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:CZ | 19 | 0.33 |
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:H | 19 | 0.33 |
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:HA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:HB2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:HB3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:HD1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:HD2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:HE1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:HE2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:HZ | 19 | 0.33 |
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:N | 19 | 0.33 |
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:O | 19 | 0.33 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:O | 2:B:654:GLU:C | 19 | 0.33 |
| (1,37) | 1:A:250:THR:O | 2:B:654:GLU:CA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:O | 2:B:654:GLU:CB | 19 | 0.33 |
| (1,37) | 1:A:250:THR:O | 2:B:654:GLU:CD | 19 | 0.33 |
| (1,37) | 1:A:250:THR:O | 2:B:654:GLU:CG | 19 | 0.33 |
| (1,37) | 1:A:250:THR:O | 2:B:654:GLU:H | 19 | 0.33 |
| (1,37) | 1:A:250:THR:O | 2:B:654:GLU:HA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:O | 2:B:654:GLU:HB2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:O | 2:B:654:GLU:HB3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:O | 2:B:654:GLU:HG2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:O | 2:B:654:GLU:HG3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:O | 2:B:654:GLU:N | 19 | 0.33 |
| (1,37) | 1:A:250:THR:O | 2:B:654:GLU:O | 19 | 0.33 |
| (1,37) | 1:A:250:THR:O | 2:B:654:GLU:OE1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:O | 2:B:654:GLU:OE2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:O | 2:B:655:GLY:C | 19 | 0.33 |
| (1,37) | 1:A:250:THR:O | 2:B:655:GLY:CA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:O | 2:B:655:GLY:H | 19 | 0.33 |
| (1,37) | 1:A:250:THR:O | 2:B:655:GLY:HA2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:O | 2:B:655:GLY:HA3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:O | 2:B:655:GLY:N | 19 | 0.33 |
| (1,37) | 1:A:250:THR:O | 2:B:655:GLY:O | 19 | 0.33 |
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:C | 19 | 0.33 |
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:CA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:CB | 19 | 0.33 |
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:CD1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:CD2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:CE1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:CE2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:CG | 19 | 0.33 |
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:CZ | 19 | 0.33 |
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:H | 19 | 0.33 |
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:HA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:HB2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:HB3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:HD1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:HD2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:HE1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:HE2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:HZ | 19 | 0.33 |
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:N | 19 | 0.33 |
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:O | 19 | 0.33 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:O | 2:B:657:SEP:C | 19 | 0.33 |
| (1,37) | 1:A:250:THR:O | 2:B:657:SEP:CA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:O | 2:B:657:SEP:CB | 19 | 0.33 |
| (1,37) | 1:A:250:THR:O | 2:B:657:SEP:H | 19 | 0.33 |
| (1,37) | 1:A:250:THR:O | 2:B:657:SEP:HA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:O | 2:B:657:SEP:HB3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:O | 2:B:657:SEP:N | 19 | 0.33 |
| (1,37) | 1:A:250:THR:O | 2:B:657:SEP:O | 19 | 0.33 |
| (1,37) | 1:A:250:THR:O | 2:B:657:SEP:O1P | 19 | 0.33 |
| (1,37) | 1:A:250:THR:O | 2:B:657:SEP:O2P | 19 | 0.33 |
| (1,37) | 1:A:250:THR:O | 2:B:657:SEP:O3P | 19 | 0.33 |
| (1,37) | 1:A:250:THR:O | 2:B:657:SEP:OG | 19 | 0.33 |
| (1,37) | 1:A:250:THR:O | 2:B:657:SEP:P | 19 | 0.33 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:C | 19 | 0.33 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:CA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:CB | 19 | 0.33 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:CD1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:CD2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:CE1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:CE2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:CG | 19 | 0.33 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:CZ | 19 | 0.33 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:H | 19 | 0.33 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:HA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:HB2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:HB3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:HD1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:HD2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:HE1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:HE2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:HH | 19 | 0.33 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:N | 19 | 0.33 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:O | 19 | 0.33 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:OH | 19 | 0.33 |
| (1,37) | 1:A:250:THR:O | 2:B:659:NH2:HN1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:O | 2:B:659:NH2:HN2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:O | 2:B:659:NH2:N | 19 | 0.33 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:648:ACE:C | 19 | 0.33 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:648:ACE:CH3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:648:ACE:H1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:648:ACE:H2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:648:ACE:H3 | 19 | 0.33 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|------------------|----------|---------------|
| (1,37) | 1:A:250:THR:OG1 | 2:B:648:ACE:O | 19 | 0.33 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:649:ASP:C | 19 | 0.33 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:649:ASP:CA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:649:ASP:CB | 19 | 0.33 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:649:ASP:CG | 19 | 0.33 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:649:ASP:H | 19 | 0.33 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:649:ASP:HA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:649:ASP:HB2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:649:ASP:HB3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:649:ASP:N | 19 | 0.33 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:649:ASP:O | 19 | 0.33 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:649:ASP:OD1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:649:ASP:OD2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:650:GLN:C | 19 | 0.33 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:650:GLN:CA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:650:GLN:CB | 19 | 0.33 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:650:GLN:CD | 19 | 0.33 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:650:GLN:CG | 19 | 0.33 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:650:GLN:H | 19 | 0.33 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:650:GLN:HA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:650:GLN:HB2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:650:GLN:HB3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:650:GLN:HE21 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:650:GLN:HE22 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:650:GLN:HG2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:650:GLN:HG3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:650:GLN:N | 19 | 0.33 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:650:GLN:NE2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:650:GLN:O | 19 | 0.33 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:650:GLN:OE1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:651:SER:C | 19 | 0.33 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:651:SER:CA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:651:SER:CB | 19 | 0.33 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:651:SER:H | 19 | 0.33 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:651:SER:HA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:651:SER:HB2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:651:SER:HB3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:651:SER:HG | 19 | 0.33 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:651:SER:N | 19 | 0.33 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:651:SER:O | 19 | 0.33 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:651:SER:OG | 19 | 0.33 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:652:ASP:C | 19 | 0.33 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:OG1 | 2:B:652:ASP:CA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:652:ASP:CB | 19 | 0.33 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:652:ASP:CG | 19 | 0.33 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:652:ASP:H | 19 | 0.33 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:652:ASP:HA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:652:ASP:HB2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:652:ASP:HB3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:652:ASP:N | 19 | 0.33 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:652:ASP:O | 19 | 0.33 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:652:ASP:OD1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:652:ASP:OD2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:C | 19 | 0.33 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:CA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:CB | 19 | 0.33 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:CD1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:CD2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:CE1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:CE2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:CG | 19 | 0.33 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:CZ | 19 | 0.33 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:H | 19 | 0.33 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:HA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:HB2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:HB3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:HD1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:HD2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:HE1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:HE2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:HZ | 19 | 0.33 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:N | 19 | 0.33 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:O | 19 | 0.33 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:654:GLU:C | 19 | 0.33 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:654:GLU:CA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:654:GLU:CB | 19 | 0.33 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:654:GLU:CD | 19 | 0.33 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:654:GLU:CG | 19 | 0.33 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:654:GLU:H | 19 | 0.33 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:654:GLU:HA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:654:GLU:HB2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:654:GLU:HB3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:654:GLU:HG2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:654:GLU:HG3 | 19 | 0.33 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:OG1 | 2:B:654:GLU:N | 19 | 0.33 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:654:GLU:O | 19 | 0.33 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:654:GLU:OE1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:654:GLU:OE2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:655:GLY:C | 19 | 0.33 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:655:GLY:CA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:655:GLY:H | 19 | 0.33 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:655:GLY:HA2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:655:GLY:HA3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:655:GLY:N | 19 | 0.33 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:655:GLY:O | 19 | 0.33 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:C | 19 | 0.33 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:CA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:CB | 19 | 0.33 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:CD1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:CD2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:CE1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:CE2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:CG | 19 | 0.33 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:CZ | 19 | 0.33 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:H | 19 | 0.33 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:HA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:HB2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:HB3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:HD1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:HD2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:HE1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:HE2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:HZ | 19 | 0.33 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:N | 19 | 0.33 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:O | 19 | 0.33 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:657:SEP:C | 19 | 0.33 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:657:SEP:CA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:657:SEP:CB | 19 | 0.33 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:657:SEP:H | 19 | 0.33 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:657:SEP:HA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:657:SEP:HB3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:657:SEP:N | 19 | 0.33 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:657:SEP:O | 19 | 0.33 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:657:SEP:O1P | 19 | 0.33 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:657:SEP:O2P | 19 | 0.33 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:657:SEP:O3P | 19 | 0.33 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:OG1 | 2:B:657:SEP:OG | 19 | 0.33 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:657:SEP:P | 19 | 0.33 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:C | 19 | 0.33 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:CA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:CB | 19 | 0.33 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:CD1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:CD2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:CE1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:CE2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:CG | 19 | 0.33 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:CZ | 19 | 0.33 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:H | 19 | 0.33 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:HA | 19 | 0.33 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:HB2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:HB3 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:HD1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:HD2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:HE1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:HE2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:HH | 19 | 0.33 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:N | 19 | 0.33 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:O | 19 | 0.33 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:OH | 19 | 0.33 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:659:NH2:HN1 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:659:NH2:HN2 | 19 | 0.33 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:659:NH2:N | 19 | 0.33 |
| (1,37) | 1:A:250:THR:C | 2:B:648:ACE:C | 10 | 0.29 |
| (1,37) | 1:A:250:THR:C | 2:B:648:ACE:CH3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:C | 2:B:648:ACE:H1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:C | 2:B:648:ACE:H2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:C | 2:B:648:ACE:H3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:C | 2:B:648:ACE:O | 10 | 0.29 |
| (1,37) | 1:A:250:THR:C | 2:B:649:ASP:C | 10 | 0.29 |
| (1,37) | 1:A:250:THR:C | 2:B:649:ASP:CA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:C | 2:B:649:ASP:CB | 10 | 0.29 |
| (1,37) | 1:A:250:THR:C | 2:B:649:ASP:CG | 10 | 0.29 |
| (1,37) | 1:A:250:THR:C | 2:B:649:ASP:H | 10 | 0.29 |
| (1,37) | 1:A:250:THR:C | 2:B:649:ASP:HA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:C | 2:B:649:ASP:HB2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:C | 2:B:649:ASP:HB3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:C | 2:B:649:ASP:N | 10 | 0.29 |
| (1,37) | 1:A:250:THR:C | 2:B:649:ASP:O | 10 | 0.29 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (1,37) | 1:A:250:THR:C | 2:B:649:ASP:OD1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:C | 2:B:649:ASP:OD2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:C | 2:B:650:GLN:C | 10 | 0.29 |
| (1,37) | 1:A:250:THR:C | 2:B:650:GLN:CA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:C | 2:B:650:GLN:CB | 10 | 0.29 |
| (1,37) | 1:A:250:THR:C | 2:B:650:GLN:CD | 10 | 0.29 |
| (1,37) | 1:A:250:THR:C | 2:B:650:GLN:CG | 10 | 0.29 |
| (1,37) | 1:A:250:THR:C | 2:B:650:GLN:H | 10 | 0.29 |
| (1,37) | 1:A:250:THR:C | 2:B:650:GLN:HA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:C | 2:B:650:GLN:HB2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:C | 2:B:650:GLN:HB3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:C | 2:B:650:GLN:HE21 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:C | 2:B:650:GLN:HE22 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:C | 2:B:650:GLN:HG2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:C | 2:B:650:GLN:HG3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:C | 2:B:650:GLN:N | 10 | 0.29 |
| (1,37) | 1:A:250:THR:C | 2:B:650:GLN:NE2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:C | 2:B:650:GLN:O | 10 | 0.29 |
| (1,37) | 1:A:250:THR:C | 2:B:650:GLN:OE1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:C | 2:B:651:SER:C | 10 | 0.29 |
| (1,37) | 1:A:250:THR:C | 2:B:651:SER:CA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:C | 2:B:651:SER:CB | 10 | 0.29 |
| (1,37) | 1:A:250:THR:C | 2:B:651:SER:H | 10 | 0.29 |
| (1,37) | 1:A:250:THR:C | 2:B:651:SER:HA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:C | 2:B:651:SER:HB2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:C | 2:B:651:SER:HB3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:C | 2:B:651:SER:HG | 10 | 0.29 |
| (1,37) | 1:A:250:THR:C | 2:B:651:SER:N | 10 | 0.29 |
| (1,37) | 1:A:250:THR:C | 2:B:651:SER:O | 10 | 0.29 |
| (1,37) | 1:A:250:THR:C | 2:B:651:SER:OG | 10 | 0.29 |
| (1,37) | 1:A:250:THR:C | 2:B:652:ASP:C | 10 | 0.29 |
| (1,37) | 1:A:250:THR:C | 2:B:652:ASP:CA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:C | 2:B:652:ASP:CB | 10 | 0.29 |
| (1,37) | 1:A:250:THR:C | 2:B:652:ASP:CG | 10 | 0.29 |
| (1,37) | 1:A:250:THR:C | 2:B:652:ASP:H | 10 | 0.29 |
| (1,37) | 1:A:250:THR:C | 2:B:652:ASP:HA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:C | 2:B:652:ASP:HB2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:C | 2:B:652:ASP:HB3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:C | 2:B:652:ASP:N | 10 | 0.29 |
| (1,37) | 1:A:250:THR:C | 2:B:652:ASP:O | 10 | 0.29 |
| (1,37) | 1:A:250:THR:C | 2:B:652:ASP:OD1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:C | 2:B:652:ASP:OD2 | 10 | 0.29 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:C | 10 | 0.29 |
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:CA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:CB | 10 | 0.29 |
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:CD1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:CD2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:CE1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:CE2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:CG | 10 | 0.29 |
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:CZ | 10 | 0.29 |
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:H | 10 | 0.29 |
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:HA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:HB2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:HB3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:HD1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:HD2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:HE1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:HE2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:HZ | 10 | 0.29 |
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:N | 10 | 0.29 |
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:O | 10 | 0.29 |
| (1,37) | 1:A:250:THR:C | 2:B:654:GLU:C | 10 | 0.29 |
| (1,37) | 1:A:250:THR:C | 2:B:654:GLU:CA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:C | 2:B:654:GLU:CB | 10 | 0.29 |
| (1,37) | 1:A:250:THR:C | 2:B:654:GLU:CD | 10 | 0.29 |
| (1,37) | 1:A:250:THR:C | 2:B:654:GLU:CG | 10 | 0.29 |
| (1,37) | 1:A:250:THR:C | 2:B:654:GLU:H | 10 | 0.29 |
| (1,37) | 1:A:250:THR:C | 2:B:654:GLU:HA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:C | 2:B:654:GLU:HB2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:C | 2:B:654:GLU:HB3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:C | 2:B:654:GLU:HG2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:C | 2:B:654:GLU:HG3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:C | 2:B:654:GLU:N | 10 | 0.29 |
| (1,37) | 1:A:250:THR:C | 2:B:654:GLU:O | 10 | 0.29 |
| (1,37) | 1:A:250:THR:C | 2:B:654:GLU:OE1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:C | 2:B:654:GLU:OE2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:C | 2:B:655:GLY:C | 10 | 0.29 |
| (1,37) | 1:A:250:THR:C | 2:B:655:GLY:CA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:C | 2:B:655:GLY:H | 10 | 0.29 |
| (1,37) | 1:A:250:THR:C | 2:B:655:GLY:HA2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:C | 2:B:655:GLY:HA3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:C | 2:B:655:GLY:N | 10 | 0.29 |
| (1,37) | 1:A:250:THR:C | 2:B:655:GLY:O | 10 | 0.29 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:C | 10 | 0.29 |
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:CA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:CB | 10 | 0.29 |
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:CD1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:CD2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:CE1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:CE2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:CG | 10 | 0.29 |
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:CZ | 10 | 0.29 |
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:H | 10 | 0.29 |
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:HA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:HB2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:HB3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:HD1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:HD2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:HE1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:HE2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:HZ | 10 | 0.29 |
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:N | 10 | 0.29 |
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:O | 10 | 0.29 |
| (1,37) | 1:A:250:THR:C | 2:B:657:SEP:C | 10 | 0.29 |
| (1,37) | 1:A:250:THR:C | 2:B:657:SEP:CA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:C | 2:B:657:SEP:CB | 10 | 0.29 |
| (1,37) | 1:A:250:THR:C | 2:B:657:SEP:H | 10 | 0.29 |
| (1,37) | 1:A:250:THR:C | 2:B:657:SEP:HA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:C | 2:B:657:SEP:HB3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:C | 2:B:657:SEP:N | 10 | 0.29 |
| (1,37) | 1:A:250:THR:C | 2:B:657:SEP:O | 10 | 0.29 |
| (1,37) | 1:A:250:THR:C | 2:B:657:SEP:O1P | 10 | 0.29 |
| (1,37) | 1:A:250:THR:C | 2:B:657:SEP:O2P | 10 | 0.29 |
| (1,37) | 1:A:250:THR:C | 2:B:657:SEP:O3P | 10 | 0.29 |
| (1,37) | 1:A:250:THR:C | 2:B:657:SEP:OG | 10 | 0.29 |
| (1,37) | 1:A:250:THR:C | 2:B:657:SEP:P | 10 | 0.29 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:C | 10 | 0.29 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:CA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:CB | 10 | 0.29 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:CD1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:CD2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:CE1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:CE2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:CG | 10 | 0.29 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:CZ | 10 | 0.29 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:H | 10 | 0.29 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:HA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:HB2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:HB3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:HD1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:HD2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:HE1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:HE2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:HH | 10 | 0.29 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:N | 10 | 0.29 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:O | 10 | 0.29 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:OH | 10 | 0.29 |
| (1,37) | 1:A:250:THR:C | 2:B:659:NH2:HN1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:C | 2:B:659:NH2:HN2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:C | 2:B:659:NH2:N | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CA | 2:B:648:ACE:C | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CA | 2:B:648:ACE:CH3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CA | 2:B:648:ACE:H1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CA | 2:B:648:ACE:H2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CA | 2:B:648:ACE:H3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CA | 2:B:648:ACE:O | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CA | 2:B:649:ASP:C | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CA | 2:B:649:ASP:CA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CA | 2:B:649:ASP:CB | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CA | 2:B:649:ASP:CG | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CA | 2:B:649:ASP:H | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CA | 2:B:649:ASP:HA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CA | 2:B:649:ASP:HB2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CA | 2:B:649:ASP:HB3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CA | 2:B:649:ASP:N | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CA | 2:B:649:ASP:O | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CA | 2:B:649:ASP:OD1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CA | 2:B:649:ASP:OD2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CA | 2:B:650:GLN:C | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CA | 2:B:650:GLN:CA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CA | 2:B:650:GLN:CB | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CA | 2:B:650:GLN:CD | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CA | 2:B:650:GLN:CG | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CA | 2:B:650:GLN:H | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CA | 2:B:650:GLN:HA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CA | 2:B:650:GLN:HB2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CA | 2:B:650:GLN:HB3 | 10 | 0.29 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (1,37) | 1:A:250:THR:CA | 2:B:650:GLN:HE21 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CA | 2:B:650:GLN:HE22 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CA | 2:B:650:GLN:HG2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CA | 2:B:650:GLN:HG3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CA | 2:B:650:GLN:N | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CA | 2:B:650:GLN:NE2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CA | 2:B:650:GLN:O | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CA | 2:B:650:GLN:OE1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CA | 2:B:651:SER:C | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CA | 2:B:651:SER:CA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CA | 2:B:651:SER:CB | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CA | 2:B:651:SER:H | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CA | 2:B:651:SER:HA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CA | 2:B:651:SER:HB2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CA | 2:B:651:SER:HB3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CA | 2:B:651:SER:HG | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CA | 2:B:651:SER:N | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CA | 2:B:651:SER:O | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CA | 2:B:651:SER:OG | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CA | 2:B:652:ASP:C | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CA | 2:B:652:ASP:CA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CA | 2:B:652:ASP:CB | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CA | 2:B:652:ASP:CG | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CA | 2:B:652:ASP:H | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CA | 2:B:652:ASP:HA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CA | 2:B:652:ASP:HB2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CA | 2:B:652:ASP:HB3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CA | 2:B:652:ASP:N | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CA | 2:B:652:ASP:O | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CA | 2:B:652:ASP:OD1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CA | 2:B:652:ASP:OD2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:C | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:CA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:CB | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:CD1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:CD2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:CE1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:CE2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:CG | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:CZ | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:H | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:HA | 10 | 0.29 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:HB2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:HB3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:HD1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:HD2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:HE1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:HE2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:HZ | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:N | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:O | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CA | 2:B:654:GLU:C | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CA | 2:B:654:GLU:CA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CA | 2:B:654:GLU:CB | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CA | 2:B:654:GLU:CD | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CA | 2:B:654:GLU:CG | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CA | 2:B:654:GLU:H | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CA | 2:B:654:GLU:HA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CA | 2:B:654:GLU:HB2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CA | 2:B:654:GLU:HB3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CA | 2:B:654:GLU:HG2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CA | 2:B:654:GLU:HG3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CA | 2:B:654:GLU:N | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CA | 2:B:654:GLU:O | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CA | 2:B:654:GLU:OE1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CA | 2:B:654:GLU:OE2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CA | 2:B:655:GLY:C | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CA | 2:B:655:GLY:CA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CA | 2:B:655:GLY:H | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CA | 2:B:655:GLY:HA2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CA | 2:B:655:GLY:HA3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CA | 2:B:655:GLY:N | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CA | 2:B:655:GLY:O | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:C | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:CA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:CB | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:CD1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:CD2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:CE1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:CE2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:CG | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:CZ | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:H | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:HA | 10 | 0.29 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:HB2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:HB3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:HD1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:HD2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:HE1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:HE2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:HZ | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:N | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:O | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CA | 2:B:657:SEP:C | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CA | 2:B:657:SEP:CA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CA | 2:B:657:SEP:CB | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CA | 2:B:657:SEP:H | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CA | 2:B:657:SEP:HA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CA | 2:B:657:SEP:HB3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CA | 2:B:657:SEP:N | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CA | 2:B:657:SEP:O | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CA | 2:B:657:SEP:O1P | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CA | 2:B:657:SEP:O2P | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CA | 2:B:657:SEP:O3P | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CA | 2:B:657:SEP:OG | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CA | 2:B:657:SEP:P | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:C | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:CA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:CB | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:CD1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:CD2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:CE1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:CE2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:CG | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:CZ | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:H | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:HA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:HB2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:HB3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:HD1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:HD2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:HE1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:HE2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:HH | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:N | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:O | 10 | 0.29 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:OH | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CA | 2:B:659:NH2:HN1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CA | 2:B:659:NH2:HN2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CA | 2:B:659:NH2:N | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CB | 2:B:648:ACE:C | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CB | 2:B:648:ACE:CH3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CB | 2:B:648:ACE:H1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CB | 2:B:648:ACE:H2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CB | 2:B:648:ACE:H3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CB | 2:B:648:ACE:O | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CB | 2:B:649:ASP:C | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CB | 2:B:649:ASP:CA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CB | 2:B:649:ASP:CB | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CB | 2:B:649:ASP:CG | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CB | 2:B:649:ASP:H | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CB | 2:B:649:ASP:HA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CB | 2:B:649:ASP:HB2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CB | 2:B:649:ASP:HB3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CB | 2:B:649:ASP:N | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CB | 2:B:649:ASP:O | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CB | 2:B:649:ASP:OD1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CB | 2:B:649:ASP:OD2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CB | 2:B:650:GLN:C | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CB | 2:B:650:GLN:CA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CB | 2:B:650:GLN:CB | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CB | 2:B:650:GLN:CD | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CB | 2:B:650:GLN:CG | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CB | 2:B:650:GLN:H | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CB | 2:B:650:GLN:HA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CB | 2:B:650:GLN:HB2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CB | 2:B:650:GLN:HB3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CB | 2:B:650:GLN:HE21 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CB | 2:B:650:GLN:HE22 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CB | 2:B:650:GLN:HG2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CB | 2:B:650:GLN:HG3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CB | 2:B:650:GLN:N | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CB | 2:B:650:GLN:NE2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CB | 2:B:650:GLN:O | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CB | 2:B:650:GLN:OE1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CB | 2:B:651:SER:C | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CB | 2:B:651:SER:CA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CB | 2:B:651:SER:CB | 10 | 0.29 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:CB | 2:B:651:SER:H | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CB | 2:B:651:SER:HA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CB | 2:B:651:SER:HB2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CB | 2:B:651:SER:HB3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CB | 2:B:651:SER:HG | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CB | 2:B:651:SER:N | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CB | 2:B:651:SER:O | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CB | 2:B:651:SER:OG | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CB | 2:B:652:ASP:C | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CB | 2:B:652:ASP:CA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CB | 2:B:652:ASP:CB | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CB | 2:B:652:ASP:CG | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CB | 2:B:652:ASP:H | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CB | 2:B:652:ASP:HA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CB | 2:B:652:ASP:HB2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CB | 2:B:652:ASP:HB3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CB | 2:B:652:ASP:N | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CB | 2:B:652:ASP:O | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CB | 2:B:652:ASP:OD1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CB | 2:B:652:ASP:OD2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:C | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:CA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:CB | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:CD1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:CD2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:CE1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:CE2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:CG | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:CZ | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:H | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:HA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:HB2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:HB3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:HD1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:HD2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:HE1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:HE2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:HZ | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:N | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:O | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CB | 2:B:654:GLU:C | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CB | 2:B:654:GLU:CA | 10 | 0.29 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:CB | 2:B:654:GLU:CB | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CB | 2:B:654:GLU:CD | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CB | 2:B:654:GLU:CG | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CB | 2:B:654:GLU:H | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CB | 2:B:654:GLU:HA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CB | 2:B:654:GLU:HB2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CB | 2:B:654:GLU:HB3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CB | 2:B:654:GLU:HG2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CB | 2:B:654:GLU:HG3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CB | 2:B:654:GLU:N | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CB | 2:B:654:GLU:O | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CB | 2:B:654:GLU:OE1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CB | 2:B:654:GLU:OE2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CB | 2:B:655:GLY:C | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CB | 2:B:655:GLY:CA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CB | 2:B:655:GLY:H | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CB | 2:B:655:GLY:HA2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CB | 2:B:655:GLY:HA3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CB | 2:B:655:GLY:N | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CB | 2:B:655:GLY:O | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:C | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:CA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:CB | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:CD1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:CD2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:CE1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:CE2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:CG | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:CZ | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:H | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:HA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:HB2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:HB3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:HD1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:HD2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:HE1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:HE2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:HZ | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:N | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:O | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CB | 2:B:657:SEP:C | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CB | 2:B:657:SEP:CA | 10 | 0.29 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:CB | 2:B:657:SEP:CB | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CB | 2:B:657:SEP:H | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CB | 2:B:657:SEP:HA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CB | 2:B:657:SEP:HB3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CB | 2:B:657:SEP:N | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CB | 2:B:657:SEP:O | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CB | 2:B:657:SEP:O1P | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CB | 2:B:657:SEP:O2P | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CB | 2:B:657:SEP:O3P | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CB | 2:B:657:SEP:OG | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CB | 2:B:657:SEP:P | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:C | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:CA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:CB | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:CD1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:CD2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:CE1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:CE2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:CG | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:CZ | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:H | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:HA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:HB2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:HB3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:HD1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:HD2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:HE1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:HE2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:HH | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:N | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:O | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:OH | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CB | 2:B:659:NH2:HN1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CB | 2:B:659:NH2:HN2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CB | 2:B:659:NH2:N | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:648:ACE:C | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:648:ACE:CH3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:648:ACE:H1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:648:ACE:H2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:648:ACE:H3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:648:ACE:O | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:649:ASP:C | 10 | 0.29 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|------------------|----------|---------------|
| (1,37) | 1:A:250:THR:CG2 | 2:B:649:ASP:CA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:649:ASP:CB | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:649:ASP:CG | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:649:ASP:H | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:649:ASP:HA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:649:ASP:HB2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:649:ASP:HB3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:649:ASP:N | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:649:ASP:O | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:649:ASP:OD1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:649:ASP:OD2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:650:GLN:C | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:650:GLN:CA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:650:GLN:CB | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:650:GLN:CD | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:650:GLN:CG | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:650:GLN:H | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:650:GLN:HA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:650:GLN:HB2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:650:GLN:HB3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:650:GLN:HE21 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:650:GLN:HE22 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:650:GLN:HG2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:650:GLN:HG3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:650:GLN:N | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:650:GLN:NE2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:650:GLN:O | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:650:GLN:OE1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:651:SER:C | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:651:SER:CA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:651:SER:CB | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:651:SER:H | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:651:SER:HA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:651:SER:HB2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:651:SER:HB3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:651:SER:HG | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:651:SER:N | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:651:SER:O | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:651:SER:OG | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:652:ASP:C | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:652:ASP:CA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:652:ASP:CB | 10 | 0.29 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:CG2 | 2:B:652:ASP:CG | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:652:ASP:H | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:652:ASP:HA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:652:ASP:HB2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:652:ASP:HB3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:652:ASP:N | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:652:ASP:O | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:652:ASP:OD1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:652:ASP:OD2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:C | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:CA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:CB | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:CD1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:CD2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:CE1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:CE2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:CG | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:CZ | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:H | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:HA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:HB2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:HB3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:HD1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:HD2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:HE1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:HE2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:HZ | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:N | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:O | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:654:GLU:C | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:654:GLU:CA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:654:GLU:CB | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:654:GLU:CD | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:654:GLU:CG | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:654:GLU:H | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:654:GLU:HA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:654:GLU:HB2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:654:GLU:HB3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:654:GLU:HG2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:654:GLU:HG3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:654:GLU:N | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:654:GLU:O | 10 | 0.29 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:CG2 | 2:B:654:GLU:OE1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:654:GLU:OE2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:655:GLY:C | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:655:GLY:CA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:655:GLY:H | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:655:GLY:HA2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:655:GLY:HA3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:655:GLY:N | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:655:GLY:O | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:C | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:CA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:CB | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:CD1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:CD2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:CE1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:CE2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:CG | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:CZ | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:H | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:HA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:HB2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:HB3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:HD1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:HD2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:HE1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:HE2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:HZ | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:N | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:O | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:657:SEP:C | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:657:SEP:CA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:657:SEP:CB | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:657:SEP:H | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:657:SEP:HA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:657:SEP:HB3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:657:SEP:N | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:657:SEP:O | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:657:SEP:O1P | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:657:SEP:O2P | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:657:SEP:O3P | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:657:SEP:OG | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:657:SEP:P | 10 | 0.29 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:C | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:CA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:CB | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:CD1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:CD2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:CE1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:CE2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:CG | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:CZ | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:H | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:HA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:HB2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:HB3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:HD1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:HD2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:HE1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:HE2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:HH | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:N | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:O | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:OH | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:659:NH2:HN1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:659:NH2:HN2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:659:NH2:N | 10 | 0.29 |
| (1,37) | 1:A:250:THR:H | 2:B:648:ACE:C | 10 | 0.29 |
| (1,37) | 1:A:250:THR:H | 2:B:648:ACE:CH3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:H | 2:B:648:ACE:H1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:H | 2:B:648:ACE:H2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:H | 2:B:648:ACE:H3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:H | 2:B:648:ACE:O | 10 | 0.29 |
| (1,37) | 1:A:250:THR:H | 2:B:649:ASP:C | 10 | 0.29 |
| (1,37) | 1:A:250:THR:H | 2:B:649:ASP:CA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:H | 2:B:649:ASP:CB | 10 | 0.29 |
| (1,37) | 1:A:250:THR:H | 2:B:649:ASP:CG | 10 | 0.29 |
| (1,37) | 1:A:250:THR:H | 2:B:649:ASP:H | 10 | 0.29 |
| (1,37) | 1:A:250:THR:H | 2:B:649:ASP:HA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:H | 2:B:649:ASP:HB2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:H | 2:B:649:ASP:HB3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:H | 2:B:649:ASP:N | 10 | 0.29 |
| (1,37) | 1:A:250:THR:H | 2:B:649:ASP:O | 10 | 0.29 |
| (1,37) | 1:A:250:THR:H | 2:B:649:ASP:OD1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:H | 2:B:649:ASP:OD2 | 10 | 0.29 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (1,37) | 1:A:250:THR:H | 2:B:650:GLN:C | 10 | 0.29 |
| (1,37) | 1:A:250:THR:H | 2:B:650:GLN:CA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:H | 2:B:650:GLN:CB | 10 | 0.29 |
| (1,37) | 1:A:250:THR:H | 2:B:650:GLN:CD | 10 | 0.29 |
| (1,37) | 1:A:250:THR:H | 2:B:650:GLN:CG | 10 | 0.29 |
| (1,37) | 1:A:250:THR:H | 2:B:650:GLN:H | 10 | 0.29 |
| (1,37) | 1:A:250:THR:H | 2:B:650:GLN:HA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:H | 2:B:650:GLN:HB2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:H | 2:B:650:GLN:HB3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:H | 2:B:650:GLN:HE21 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:H | 2:B:650:GLN:HE22 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:H | 2:B:650:GLN:HG2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:H | 2:B:650:GLN:HG3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:H | 2:B:650:GLN:N | 10 | 0.29 |
| (1,37) | 1:A:250:THR:H | 2:B:650:GLN:NE2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:H | 2:B:650:GLN:O | 10 | 0.29 |
| (1,37) | 1:A:250:THR:H | 2:B:650:GLN:OE1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:H | 2:B:651:SER:C | 10 | 0.29 |
| (1,37) | 1:A:250:THR:H | 2:B:651:SER:CA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:H | 2:B:651:SER:CB | 10 | 0.29 |
| (1,37) | 1:A:250:THR:H | 2:B:651:SER:H | 10 | 0.29 |
| (1,37) | 1:A:250:THR:H | 2:B:651:SER:HA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:H | 2:B:651:SER:HB2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:H | 2:B:651:SER:HB3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:H | 2:B:651:SER:HG | 10 | 0.29 |
| (1,37) | 1:A:250:THR:H | 2:B:651:SER:N | 10 | 0.29 |
| (1,37) | 1:A:250:THR:H | 2:B:651:SER:O | 10 | 0.29 |
| (1,37) | 1:A:250:THR:H | 2:B:651:SER:OG | 10 | 0.29 |
| (1,37) | 1:A:250:THR:H | 2:B:652:ASP:C | 10 | 0.29 |
| (1,37) | 1:A:250:THR:H | 2:B:652:ASP:CA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:H | 2:B:652:ASP:CB | 10 | 0.29 |
| (1,37) | 1:A:250:THR:H | 2:B:652:ASP:CG | 10 | 0.29 |
| (1,37) | 1:A:250:THR:H | 2:B:652:ASP:H | 10 | 0.29 |
| (1,37) | 1:A:250:THR:H | 2:B:652:ASP:HA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:H | 2:B:652:ASP:HB2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:H | 2:B:652:ASP:HB3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:H | 2:B:652:ASP:N | 10 | 0.29 |
| (1,37) | 1:A:250:THR:H | 2:B:652:ASP:O | 10 | 0.29 |
| (1,37) | 1:A:250:THR:H | 2:B:652:ASP:OD1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:H | 2:B:652:ASP:OD2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:C | 10 | 0.29 |
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:CA | 10 | 0.29 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:CB | 10 | 0.29 |
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:CD1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:CD2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:CE1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:CE2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:CG | 10 | 0.29 |
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:CZ | 10 | 0.29 |
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:H | 10 | 0.29 |
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:HA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:HB2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:HB3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:HD1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:HD2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:HE1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:HE2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:HZ | 10 | 0.29 |
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:N | 10 | 0.29 |
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:O | 10 | 0.29 |
| (1,37) | 1:A:250:THR:H | 2:B:654:GLU:C | 10 | 0.29 |
| (1,37) | 1:A:250:THR:H | 2:B:654:GLU:CA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:H | 2:B:654:GLU:CB | 10 | 0.29 |
| (1,37) | 1:A:250:THR:H | 2:B:654:GLU:CD | 10 | 0.29 |
| (1,37) | 1:A:250:THR:H | 2:B:654:GLU:CG | 10 | 0.29 |
| (1,37) | 1:A:250:THR:H | 2:B:654:GLU:H | 10 | 0.29 |
| (1,37) | 1:A:250:THR:H | 2:B:654:GLU:HA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:H | 2:B:654:GLU:HB2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:H | 2:B:654:GLU:HB3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:H | 2:B:654:GLU:HG2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:H | 2:B:654:GLU:HG3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:H | 2:B:654:GLU:N | 10 | 0.29 |
| (1,37) | 1:A:250:THR:H | 2:B:654:GLU:O | 10 | 0.29 |
| (1,37) | 1:A:250:THR:H | 2:B:654:GLU:OE1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:H | 2:B:654:GLU:OE2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:H | 2:B:655:GLY:C | 10 | 0.29 |
| (1,37) | 1:A:250:THR:H | 2:B:655:GLY:CA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:H | 2:B:655:GLY:H | 10 | 0.29 |
| (1,37) | 1:A:250:THR:H | 2:B:655:GLY:HA2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:H | 2:B:655:GLY:HA3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:H | 2:B:655:GLY:N | 10 | 0.29 |
| (1,37) | 1:A:250:THR:H | 2:B:655:GLY:O | 10 | 0.29 |
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:C | 10 | 0.29 |
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:CA | 10 | 0.29 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:CB | 10 | 0.29 |
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:CD1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:CD2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:CE1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:CE2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:CG | 10 | 0.29 |
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:CZ | 10 | 0.29 |
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:H | 10 | 0.29 |
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:HA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:HB2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:HB3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:HD1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:HD2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:HE1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:HE2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:HZ | 10 | 0.29 |
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:N | 10 | 0.29 |
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:O | 10 | 0.29 |
| (1,37) | 1:A:250:THR:H | 2:B:657:SEP:C | 10 | 0.29 |
| (1,37) | 1:A:250:THR:H | 2:B:657:SEP:CA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:H | 2:B:657:SEP:CB | 10 | 0.29 |
| (1,37) | 1:A:250:THR:H | 2:B:657:SEP:H | 10 | 0.29 |
| (1,37) | 1:A:250:THR:H | 2:B:657:SEP:HA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:H | 2:B:657:SEP:HB3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:H | 2:B:657:SEP:N | 10 | 0.29 |
| (1,37) | 1:A:250:THR:H | 2:B:657:SEP:O | 10 | 0.29 |
| (1,37) | 1:A:250:THR:H | 2:B:657:SEP:O1P | 10 | 0.29 |
| (1,37) | 1:A:250:THR:H | 2:B:657:SEP:O2P | 10 | 0.29 |
| (1,37) | 1:A:250:THR:H | 2:B:657:SEP:O3P | 10 | 0.29 |
| (1,37) | 1:A:250:THR:H | 2:B:657:SEP:OG | 10 | 0.29 |
| (1,37) | 1:A:250:THR:H | 2:B:657:SEP:P | 10 | 0.29 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:C | 10 | 0.29 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:CA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:CB | 10 | 0.29 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:CD1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:CD2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:CE1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:CE2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:CG | 10 | 0.29 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:CZ | 10 | 0.29 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:H | 10 | 0.29 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:HA | 10 | 0.29 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:HB2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:HB3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:HD1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:HD2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:HE1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:HE2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:HH | 10 | 0.29 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:N | 10 | 0.29 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:O | 10 | 0.29 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:OH | 10 | 0.29 |
| (1,37) | 1:A:250:THR:H | 2:B:659:NH2:HN1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:H | 2:B:659:NH2:HN2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:H | 2:B:659:NH2:N | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HA | 2:B:648:ACE:C | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HA | 2:B:648:ACE:CH3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HA | 2:B:648:ACE:H1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HA | 2:B:648:ACE:H2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HA | 2:B:648:ACE:H3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HA | 2:B:648:ACE:O | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HA | 2:B:649:ASP:C | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HA | 2:B:649:ASP:CA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HA | 2:B:649:ASP:CB | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HA | 2:B:649:ASP:CG | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HA | 2:B:649:ASP:H | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HA | 2:B:649:ASP:HA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HA | 2:B:649:ASP:HB2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HA | 2:B:649:ASP:HB3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HA | 2:B:649:ASP:N | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HA | 2:B:649:ASP:O | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HA | 2:B:649:ASP:OD1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HA | 2:B:649:ASP:OD2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HA | 2:B:650:GLN:C | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HA | 2:B:650:GLN:CA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HA | 2:B:650:GLN:CB | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HA | 2:B:650:GLN:CD | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HA | 2:B:650:GLN:CG | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HA | 2:B:650:GLN:H | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HA | 2:B:650:GLN:HA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HA | 2:B:650:GLN:HB2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HA | 2:B:650:GLN:HB3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HA | 2:B:650:GLN:HE21 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HA | 2:B:650:GLN:HE22 | 10 | 0.29 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:HA | 2:B:650:GLN:HG2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HA | 2:B:650:GLN:HG3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HA | 2:B:650:GLN:N | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HA | 2:B:650:GLN:NE2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HA | 2:B:650:GLN:O | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HA | 2:B:650:GLN:OE1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HA | 2:B:651:SER:C | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HA | 2:B:651:SER:CA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HA | 2:B:651:SER:CB | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HA | 2:B:651:SER:H | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HA | 2:B:651:SER:HA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HA | 2:B:651:SER:HB2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HA | 2:B:651:SER:HB3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HA | 2:B:651:SER:HG | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HA | 2:B:651:SER:N | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HA | 2:B:651:SER:O | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HA | 2:B:651:SER:OG | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HA | 2:B:652:ASP:C | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HA | 2:B:652:ASP:CA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HA | 2:B:652:ASP:CB | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HA | 2:B:652:ASP:CG | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HA | 2:B:652:ASP:H | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HA | 2:B:652:ASP:HA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HA | 2:B:652:ASP:HB2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HA | 2:B:652:ASP:HB3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HA | 2:B:652:ASP:N | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HA | 2:B:652:ASP:O | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HA | 2:B:652:ASP:OD1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HA | 2:B:652:ASP:OD2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:C | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:CA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:CB | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:CD1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:CD2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:CE1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:CE2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:CG | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:CZ | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:H | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:HA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:HB2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:HB3 | 10 | 0.29 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:HD1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:HD2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:HE1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:HE2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:HZ | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:N | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:O | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HA | 2:B:654:GLU:C | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HA | 2:B:654:GLU:CA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HA | 2:B:654:GLU:CB | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HA | 2:B:654:GLU:CD | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HA | 2:B:654:GLU:CG | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HA | 2:B:654:GLU:H | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HA | 2:B:654:GLU:HA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HA | 2:B:654:GLU:HB2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HA | 2:B:654:GLU:HB3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HA | 2:B:654:GLU:HG2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HA | 2:B:654:GLU:HG3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HA | 2:B:654:GLU:N | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HA | 2:B:654:GLU:O | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HA | 2:B:654:GLU:OE1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HA | 2:B:654:GLU:OE2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HA | 2:B:655:GLY:C | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HA | 2:B:655:GLY:CA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HA | 2:B:655:GLY:H | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HA | 2:B:655:GLY:HA2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HA | 2:B:655:GLY:HA3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HA | 2:B:655:GLY:N | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HA | 2:B:655:GLY:O | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:C | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:CA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:CB | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:CD1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:CD2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:CE1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:CE2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:CG | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:CZ | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:H | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:HA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:HB2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:HB3 | 10 | 0.29 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:HD1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:HD2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:HE1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:HE2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:HZ | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:N | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:O | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HA | 2:B:657:SEP:C | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HA | 2:B:657:SEP:CA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HA | 2:B:657:SEP:CB | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HA | 2:B:657:SEP:H | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HA | 2:B:657:SEP:HA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HA | 2:B:657:SEP:HB3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HA | 2:B:657:SEP:N | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HA | 2:B:657:SEP:O | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HA | 2:B:657:SEP:O1P | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HA | 2:B:657:SEP:O2P | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HA | 2:B:657:SEP:O3P | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HA | 2:B:657:SEP:OG | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HA | 2:B:657:SEP:P | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:C | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:CA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:CB | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:CD1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:CD2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:CE1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:CE2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:CG | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:CZ | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:H | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:HA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:HB2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:HB3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:HD1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:HD2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:HE1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:HE2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:HH | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:N | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:O | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:OH | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HA | 2:B:659:NH2:HN1 | 10 | 0.29 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (1,37) | 1:A:250:THR:HA | 2:B:659:NH2:HN2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HA | 2:B:659:NH2:N | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HB | 2:B:648:ACE:C | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HB | 2:B:648:ACE:CH3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HB | 2:B:648:ACE:H1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HB | 2:B:648:ACE:H2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HB | 2:B:648:ACE:H3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HB | 2:B:648:ACE:O | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HB | 2:B:649:ASP:C | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HB | 2:B:649:ASP:CA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HB | 2:B:649:ASP:CB | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HB | 2:B:649:ASP:CG | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HB | 2:B:649:ASP:H | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HB | 2:B:649:ASP:HA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HB | 2:B:649:ASP:HB2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HB | 2:B:649:ASP:HB3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HB | 2:B:649:ASP:N | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HB | 2:B:649:ASP:O | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HB | 2:B:649:ASP:OD1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HB | 2:B:649:ASP:OD2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HB | 2:B:650:GLN:C | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HB | 2:B:650:GLN:CA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HB | 2:B:650:GLN:CB | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HB | 2:B:650:GLN:CD | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HB | 2:B:650:GLN:CG | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HB | 2:B:650:GLN:H | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HB | 2:B:650:GLN:HA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HB | 2:B:650:GLN:HB2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HB | 2:B:650:GLN:HB3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HB | 2:B:650:GLN:HE21 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HB | 2:B:650:GLN:HE22 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HB | 2:B:650:GLN:HG2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HB | 2:B:650:GLN:HG3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HB | 2:B:650:GLN:N | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HB | 2:B:650:GLN:NE2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HB | 2:B:650:GLN:O | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HB | 2:B:650:GLN:OE1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HB | 2:B:651:SER:C | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HB | 2:B:651:SER:CA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HB | 2:B:651:SER:CB | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HB | 2:B:651:SER:H | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HB | 2:B:651:SER:HA | 10 | 0.29 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:HB | 2:B:651:SER:HB2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HB | 2:B:651:SER:HB3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HB | 2:B:651:SER:HG | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HB | 2:B:651:SER:N | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HB | 2:B:651:SER:O | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HB | 2:B:651:SER:OG | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HB | 2:B:652:ASP:C | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HB | 2:B:652:ASP:CA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HB | 2:B:652:ASP:CB | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HB | 2:B:652:ASP:CG | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HB | 2:B:652:ASP:H | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HB | 2:B:652:ASP:HA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HB | 2:B:652:ASP:HB2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HB | 2:B:652:ASP:HB3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HB | 2:B:652:ASP:N | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HB | 2:B:652:ASP:O | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HB | 2:B:652:ASP:OD1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HB | 2:B:652:ASP:OD2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:C | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:CA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:CB | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:CD1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:CD2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:CE1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:CE2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:CG | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:CZ | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:H | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:HA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:HB2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:HB3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:HD1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:HD2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:HE1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:HE2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:HZ | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:N | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:O | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HB | 2:B:654:GLU:C | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HB | 2:B:654:GLU:CA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HB | 2:B:654:GLU:CB | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HB | 2:B:654:GLU:CD | 10 | 0.29 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:HB | 2:B:654:GLU:CG | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HB | 2:B:654:GLU:H | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HB | 2:B:654:GLU:HA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HB | 2:B:654:GLU:HB2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HB | 2:B:654:GLU:HB3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HB | 2:B:654:GLU:HG2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HB | 2:B:654:GLU:HG3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HB | 2:B:654:GLU:N | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HB | 2:B:654:GLU:O | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HB | 2:B:654:GLU:OE1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HB | 2:B:654:GLU:OE2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HB | 2:B:655:GLY:C | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HB | 2:B:655:GLY:CA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HB | 2:B:655:GLY:H | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HB | 2:B:655:GLY:HA2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HB | 2:B:655:GLY:HA3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HB | 2:B:655:GLY:N | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HB | 2:B:655:GLY:O | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:C | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:CA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:CB | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:CD1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:CD2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:CE1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:CE2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:CG | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:CZ | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:H | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:HA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:HB2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:HB3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:HD1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:HD2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:HE1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:HE2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:HZ | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:N | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:O | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HB | 2:B:657:SEP:C | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HB | 2:B:657:SEP:CA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HB | 2:B:657:SEP:CB | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HB | 2:B:657:SEP:H | 10 | 0.29 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:HB | 2:B:657:SEP:HA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HB | 2:B:657:SEP:HB3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HB | 2:B:657:SEP:N | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HB | 2:B:657:SEP:O | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HB | 2:B:657:SEP:O1P | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HB | 2:B:657:SEP:O2P | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HB | 2:B:657:SEP:O3P | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HB | 2:B:657:SEP:OG | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HB | 2:B:657:SEP:P | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:C | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:CA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:CB | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:CD1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:CD2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:CE1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:CE2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:CG | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:CZ | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:H | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:HA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:HB2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:HB3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:HD1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:HD2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:HE1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:HE2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:HH | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:N | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:O | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:OH | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HB | 2:B:659:NH2:HN1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HB | 2:B:659:NH2:HN2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HB | 2:B:659:NH2:N | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:648:ACE:C | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:648:ACE:CH3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:648:ACE:H1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:648:ACE:H2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:648:ACE:H3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:648:ACE:O | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:649:ASP:C | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:649:ASP:CA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:649:ASP:CB | 10 | 0.29 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|------------------|----------|---------------|
| (1,37) | 1:A:250:THR:HG1 | 2:B:649:ASP:CG | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:649:ASP:H | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:649:ASP:HA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:649:ASP:HB2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:649:ASP:HB3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:649:ASP:N | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:649:ASP:O | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:649:ASP:OD1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:649:ASP:OD2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:650:GLN:C | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:650:GLN:CA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:650:GLN:CB | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:650:GLN:CD | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:650:GLN:CG | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:650:GLN:H | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:650:GLN:HA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:650:GLN:HB2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:650:GLN:HB3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:650:GLN:HE21 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:650:GLN:HE22 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:650:GLN:HG2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:650:GLN:HG3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:650:GLN:N | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:650:GLN:NE2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:650:GLN:O | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:650:GLN:OE1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:651:SER:C | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:651:SER:CA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:651:SER:CB | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:651:SER:H | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:651:SER:HA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:651:SER:HB2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:651:SER:HB3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:651:SER:HG | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:651:SER:N | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:651:SER:O | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:651:SER:OG | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:652:ASP:C | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:652:ASP:CA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:652:ASP:CB | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:652:ASP:CG | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:652:ASP:H | 10 | 0.29 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:HG1 | 2:B:652:ASP:HA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:652:ASP:HB2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:652:ASP:HB3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:652:ASP:N | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:652:ASP:O | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:652:ASP:OD1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:652:ASP:OD2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:C | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:CA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:CB | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:CD1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:CD2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:CE1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:CE2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:CG | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:CZ | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:H | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:HA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:HB2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:HB3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:HD1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:HD2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:HE1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:HE2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:HZ | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:N | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:O | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:654:GLU:C | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:654:GLU:CA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:654:GLU:CB | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:654:GLU:CD | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:654:GLU:CG | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:654:GLU:H | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:654:GLU:HA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:654:GLU:HB2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:654:GLU:HB3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:654:GLU:HG2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:654:GLU:HG3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:654:GLU:N | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:654:GLU:O | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:654:GLU:OE1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:654:GLU:OE2 | 10 | 0.29 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:HG1 | 2:B:655:GLY:C | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:655:GLY:CA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:655:GLY:H | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:655:GLY:HA2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:655:GLY:HA3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:655:GLY:N | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:655:GLY:O | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:C | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:CA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:CB | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:CD1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:CD2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:CE1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:CE2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:CG | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:CZ | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:H | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:HA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:HB2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:HB3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:HD1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:HD2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:HE1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:HE2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:HZ | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:N | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:O | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:657:SEP:C | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:657:SEP:CA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:657:SEP:CB | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:657:SEP:H | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:657:SEP:HA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:657:SEP:HB3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:657:SEP:N | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:657:SEP:O | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:657:SEP:O1P | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:657:SEP:O2P | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:657:SEP:O3P | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:657:SEP:OG | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:657:SEP:P | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:C | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:CA | 10 | 0.29 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:CB | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:CD1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:CD2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:CE1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:CE2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:CG | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:CZ | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:H | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:HA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:HB2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:HB3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:HD1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:HD2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:HE1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:HE2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:HH | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:N | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:O | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:OH | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:659:NH2:HN1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:659:NH2:HN2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:659:NH2:N | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:648:ACE:C | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:648:ACE:CH3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:648:ACE:H1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:648:ACE:H2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:648:ACE:H3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:648:ACE:O | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:649:ASP:C | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:649:ASP:CA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:649:ASP:CB | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:649:ASP:CG | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:649:ASP:H | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:649:ASP:HA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:649:ASP:HB2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:649:ASP:HB3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:649:ASP:N | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:649:ASP:O | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:649:ASP:OD1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:649:ASP:OD2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:650:GLN:C | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:650:GLN:CA | 10 | 0.29 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|------------------|----------|---------------|
| (1,37) | 1:A:250:THR:HG21 | 2:B:650:GLN:CB | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:650:GLN:CD | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:650:GLN:CG | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:650:GLN:H | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:650:GLN:HA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:650:GLN:HB2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:650:GLN:HB3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:650:GLN:HE21 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:650:GLN:HE22 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:650:GLN:HG2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:650:GLN:HG3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:650:GLN:N | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:650:GLN:NE2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:650:GLN:O | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:650:GLN:OE1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:651:SER:C | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:651:SER:CA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:651:SER:CB | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:651:SER:H | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:651:SER:HA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:651:SER:HB2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:651:SER:HB3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:651:SER:HG | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:651:SER:N | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:651:SER:O | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:651:SER:OG | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:652:ASP:C | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:652:ASP:CA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:652:ASP:CB | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:652:ASP:CG | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:652:ASP:H | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:652:ASP:HA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:652:ASP:HB2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:652:ASP:HB3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:652:ASP:N | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:652:ASP:O | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:652:ASP:OD1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:652:ASP:OD2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:C | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:CA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:CB | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:CD1 | 10 | 0.29 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:CD2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:CE1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:CE2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:CG | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:CZ | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:H | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:HA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:HB2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:HB3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:HD1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:HD2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:HE1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:HE2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:HZ | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:N | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:O | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:654:GLU:C | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:654:GLU:CA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:654:GLU:CB | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:654:GLU:CD | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:654:GLU:CG | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:654:GLU:H | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:654:GLU:HA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:654:GLU:HB2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:654:GLU:HB3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:654:GLU:HG2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:654:GLU:HG3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:654:GLU:N | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:654:GLU:O | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:654:GLU:OE1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:654:GLU:OE2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:655:GLY:C | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:655:GLY:CA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:655:GLY:H | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:655:GLY:HA2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:655:GLY:HA3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:655:GLY:N | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:655:GLY:O | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:C | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:CA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:CB | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:CD1 | 10 | 0.29 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:CD2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:CE1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:CE2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:CG | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:CZ | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:H | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:HA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:HB2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:HB3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:HD1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:HD2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:HE1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:HE2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:HZ | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:N | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:O | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:657:SEP:C | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:657:SEP:CA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:657:SEP:CB | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:657:SEP:H | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:657:SEP:HA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:657:SEP:HB3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:657:SEP:N | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:657:SEP:O | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:657:SEP:O1P | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:657:SEP:O2P | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:657:SEP:O3P | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:657:SEP:OG | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:657:SEP:P | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:C | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:CA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:CB | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:CD1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:CD2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:CE1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:CE2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:CG | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:CZ | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:H | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:HA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:HB2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:HB3 | 10 | 0.29 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|------------------|----------|---------------|
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:HD1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:HD2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:HE1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:HE2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:HH | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:N | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:O | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:OH | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:659:NH2:HN1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:659:NH2:HN2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:659:NH2:N | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:648:ACE:C | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:648:ACE:CH3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:648:ACE:H1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:648:ACE:H2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:648:ACE:H3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:648:ACE:O | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:649:ASP:C | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:649:ASP:CA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:649:ASP:CB | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:649:ASP:CG | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:649:ASP:H | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:649:ASP:HA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:649:ASP:HB2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:649:ASP:HB3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:649:ASP:N | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:649:ASP:O | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:649:ASP:OD1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:649:ASP:OD2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:650:GLN:C | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:650:GLN:CA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:650:GLN:CB | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:650:GLN:CD | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:650:GLN:CG | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:650:GLN:H | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:650:GLN:HA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:650:GLN:HB2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:650:GLN:HB3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:650:GLN:HE21 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:650:GLN:HE22 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:650:GLN:HG2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:650:GLN:HG3 | 10 | 0.29 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:HG22 | 2:B:650:GLN:N | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:650:GLN:NE2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:650:GLN:O | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:650:GLN:OE1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:651:SER:C | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:651:SER:CA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:651:SER:CB | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:651:SER:H | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:651:SER:HA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:651:SER:HB2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:651:SER:HB3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:651:SER:HG | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:651:SER:N | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:651:SER:O | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:651:SER:OG | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:652:ASP:C | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:652:ASP:CA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:652:ASP:CB | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:652:ASP:CG | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:652:ASP:H | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:652:ASP:HA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:652:ASP:HB2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:652:ASP:HB3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:652:ASP:N | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:652:ASP:O | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:652:ASP:OD1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:652:ASP:OD2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:C | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:CA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:CB | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:CD1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:CD2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:CE1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:CE2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:CG | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:CZ | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:H | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:HA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:HB2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:HB3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:HD1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:HD2 | 10 | 0.29 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:HE1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:HE2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:HZ | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:N | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:O | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:654:GLU:C | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:654:GLU:CA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:654:GLU:CB | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:654:GLU:CD | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:654:GLU:CG | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:654:GLU:H | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:654:GLU:HA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:654:GLU:HB2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:654:GLU:HB3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:654:GLU:HG2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:654:GLU:HG3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:654:GLU:N | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:654:GLU:O | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:654:GLU:OE1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:654:GLU:OE2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:655:GLY:C | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:655:GLY:CA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:655:GLY:H | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:655:GLY:HA2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:655:GLY:HA3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:655:GLY:N | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:655:GLY:O | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:C | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:CA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:CB | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:CD1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:CD2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:CE1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:CE2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:CG | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:CZ | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:H | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:HA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:HB2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:HB3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:HD1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:HD2 | 10 | 0.29 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:HE1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:HE2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:HZ | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:N | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:O | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:657:SEP:C | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:657:SEP:CA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:657:SEP:CB | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:657:SEP:H | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:657:SEP:HA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:657:SEP:HB3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:657:SEP:N | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:657:SEP:O | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:657:SEP:O1P | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:657:SEP:O2P | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:657:SEP:O3P | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:657:SEP:OG | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:657:SEP:P | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:C | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:CA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:CB | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:CD1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:CD2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:CE1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:CE2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:CG | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:CZ | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:H | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:HA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:HB2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:HB3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:HD1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:HD2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:HE1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:HE2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:HH | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:N | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:O | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:OH | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:659:NH2:HN1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:659:NH2:HN2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:659:NH2:N | 10 | 0.29 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|------------------|----------|---------------|
| (1,37) | 1:A:250:THR:HG23 | 2:B:648:ACE:C | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:648:ACE:CH3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:648:ACE:H1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:648:ACE:H2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:648:ACE:H3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:648:ACE:O | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:649:ASP:C | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:649:ASP:CA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:649:ASP:CB | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:649:ASP:CG | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:649:ASP:H | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:649:ASP:HA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:649:ASP:HB2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:649:ASP:HB3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:649:ASP:N | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:649:ASP:O | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:649:ASP:OD1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:649:ASP:OD2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:650:GLN:C | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:650:GLN:CA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:650:GLN:CB | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:650:GLN:CD | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:650:GLN:CG | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:650:GLN:H | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:650:GLN:HA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:650:GLN:HB2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:650:GLN:HB3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:650:GLN:HE21 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:650:GLN:HE22 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:650:GLN:HG2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:650:GLN:HG3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:650:GLN:N | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:650:GLN:NE2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:650:GLN:O | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:650:GLN:OE1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:651:SER:C | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:651:SER:CA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:651:SER:CB | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:651:SER:H | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:651:SER:HA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:651:SER:HB2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:651:SER:HB3 | 10 | 0.29 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:HG23 | 2:B:651:SER:HG | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:651:SER:N | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:651:SER:O | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:651:SER:OG | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:652:ASP:C | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:652:ASP:CA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:652:ASP:CB | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:652:ASP:CG | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:652:ASP:H | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:652:ASP:HA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:652:ASP:HB2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:652:ASP:HB3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:652:ASP:N | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:652:ASP:O | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:652:ASP:OD1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:652:ASP:OD2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:C | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:CA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:CB | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:CD1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:CD2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:CE1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:CE2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:CG | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:CZ | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:H | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:HA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:HB2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:HB3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:HD1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:HD2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:HE1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:HE2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:HZ | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:N | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:O | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:654:GLU:C | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:654:GLU:CA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:654:GLU:CB | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:654:GLU:CD | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:654:GLU:CG | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:654:GLU:H | 10 | 0.29 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:HG23 | 2:B:654:GLU:HA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:654:GLU:HB2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:654:GLU:HB3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:654:GLU:HG2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:654:GLU:HG3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:654:GLU:N | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:654:GLU:O | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:654:GLU:OE1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:654:GLU:OE2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:655:GLY:C | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:655:GLY:CA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:655:GLY:H | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:655:GLY:HA2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:655:GLY:HA3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:655:GLY:N | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:655:GLY:O | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:C | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:CA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:CB | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:CD1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:CD2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:CE1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:CE2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:CG | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:CZ | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:H | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:HA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:HB2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:HB3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:HD1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:HD2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:HE1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:HE2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:HZ | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:N | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:O | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:657:SEP:C | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:657:SEP:CA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:657:SEP:CB | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:657:SEP:H | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:657:SEP:HA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:657:SEP:HB3 | 10 | 0.29 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:HG23 | 2:B:657:SEP:N | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:657:SEP:O | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:657:SEP:O1P | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:657:SEP:O2P | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:657:SEP:O3P | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:657:SEP:OG | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:657:SEP:P | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:C | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:CA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:CB | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:CD1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:CD2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:CE1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:CE2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:CG | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:CZ | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:H | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:HA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:HB2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:HB3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:HD1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:HD2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:HE1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:HE2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:HH | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:N | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:O | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:OH | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:659:NH2:HN1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:659:NH2:HN2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:659:NH2:N | 10 | 0.29 |
| (1,37) | 1:A:250:THR:N | 2:B:648:ACE:C | 10 | 0.29 |
| (1,37) | 1:A:250:THR:N | 2:B:648:ACE:CH3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:N | 2:B:648:ACE:H1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:N | 2:B:648:ACE:H2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:N | 2:B:648:ACE:H3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:N | 2:B:648:ACE:O | 10 | 0.29 |
| (1,37) | 1:A:250:THR:N | 2:B:649:ASP:C | 10 | 0.29 |
| (1,37) | 1:A:250:THR:N | 2:B:649:ASP:CA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:N | 2:B:649:ASP:CB | 10 | 0.29 |
| (1,37) | 1:A:250:THR:N | 2:B:649:ASP:CG | 10 | 0.29 |
| (1,37) | 1:A:250:THR:N | 2:B:649:ASP:H | 10 | 0.29 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (1,37) | 1:A:250:THR:N | 2:B:649:ASP:HA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:N | 2:B:649:ASP:HB2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:N | 2:B:649:ASP:HB3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:N | 2:B:649:ASP:N | 10 | 0.29 |
| (1,37) | 1:A:250:THR:N | 2:B:649:ASP:O | 10 | 0.29 |
| (1,37) | 1:A:250:THR:N | 2:B:649:ASP:OD1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:N | 2:B:649:ASP:OD2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:N | 2:B:650:GLN:C | 10 | 0.29 |
| (1,37) | 1:A:250:THR:N | 2:B:650:GLN:CA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:N | 2:B:650:GLN:CB | 10 | 0.29 |
| (1,37) | 1:A:250:THR:N | 2:B:650:GLN:CD | 10 | 0.29 |
| (1,37) | 1:A:250:THR:N | 2:B:650:GLN:CG | 10 | 0.29 |
| (1,37) | 1:A:250:THR:N | 2:B:650:GLN:H | 10 | 0.29 |
| (1,37) | 1:A:250:THR:N | 2:B:650:GLN:HA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:N | 2:B:650:GLN:HB2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:N | 2:B:650:GLN:HB3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:N | 2:B:650:GLN:HE21 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:N | 2:B:650:GLN:HE22 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:N | 2:B:650:GLN:HG2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:N | 2:B:650:GLN:HG3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:N | 2:B:650:GLN:N | 10 | 0.29 |
| (1,37) | 1:A:250:THR:N | 2:B:650:GLN:NE2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:N | 2:B:650:GLN:O | 10 | 0.29 |
| (1,37) | 1:A:250:THR:N | 2:B:650:GLN:OE1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:N | 2:B:651:SER:C | 10 | 0.29 |
| (1,37) | 1:A:250:THR:N | 2:B:651:SER:CA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:N | 2:B:651:SER:CB | 10 | 0.29 |
| (1,37) | 1:A:250:THR:N | 2:B:651:SER:H | 10 | 0.29 |
| (1,37) | 1:A:250:THR:N | 2:B:651:SER:HA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:N | 2:B:651:SER:HB2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:N | 2:B:651:SER:HB3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:N | 2:B:651:SER:HG | 10 | 0.29 |
| (1,37) | 1:A:250:THR:N | 2:B:651:SER:N | 10 | 0.29 |
| (1,37) | 1:A:250:THR:N | 2:B:651:SER:O | 10 | 0.29 |
| (1,37) | 1:A:250:THR:N | 2:B:651:SER:OG | 10 | 0.29 |
| (1,37) | 1:A:250:THR:N | 2:B:652:ASP:C | 10 | 0.29 |
| (1,37) | 1:A:250:THR:N | 2:B:652:ASP:CA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:N | 2:B:652:ASP:CB | 10 | 0.29 |
| (1,37) | 1:A:250:THR:N | 2:B:652:ASP:CG | 10 | 0.29 |
| (1,37) | 1:A:250:THR:N | 2:B:652:ASP:H | 10 | 0.29 |
| (1,37) | 1:A:250:THR:N | 2:B:652:ASP:HA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:N | 2:B:652:ASP:HB2 | 10 | 0.29 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:N | 2:B:652:ASP:HB3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:N | 2:B:652:ASP:N | 10 | 0.29 |
| (1,37) | 1:A:250:THR:N | 2:B:652:ASP:O | 10 | 0.29 |
| (1,37) | 1:A:250:THR:N | 2:B:652:ASP:OD1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:N | 2:B:652:ASP:OD2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:C | 10 | 0.29 |
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:CA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:CB | 10 | 0.29 |
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:CD1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:CD2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:CE1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:CE2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:CG | 10 | 0.29 |
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:CZ | 10 | 0.29 |
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:H | 10 | 0.29 |
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:HA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:HB2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:HB3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:HD1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:HD2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:HE1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:HE2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:HZ | 10 | 0.29 |
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:N | 10 | 0.29 |
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:O | 10 | 0.29 |
| (1,37) | 1:A:250:THR:N | 2:B:654:GLU:C | 10 | 0.29 |
| (1,37) | 1:A:250:THR:N | 2:B:654:GLU:CA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:N | 2:B:654:GLU:CB | 10 | 0.29 |
| (1,37) | 1:A:250:THR:N | 2:B:654:GLU:CD | 10 | 0.29 |
| (1,37) | 1:A:250:THR:N | 2:B:654:GLU:CG | 10 | 0.29 |
| (1,37) | 1:A:250:THR:N | 2:B:654:GLU:H | 10 | 0.29 |
| (1,37) | 1:A:250:THR:N | 2:B:654:GLU:HA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:N | 2:B:654:GLU:HB2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:N | 2:B:654:GLU:HB3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:N | 2:B:654:GLU:HG2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:N | 2:B:654:GLU:HG3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:N | 2:B:654:GLU:N | 10 | 0.29 |
| (1,37) | 1:A:250:THR:N | 2:B:654:GLU:O | 10 | 0.29 |
| (1,37) | 1:A:250:THR:N | 2:B:654:GLU:OE1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:N | 2:B:654:GLU:OE2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:N | 2:B:655:GLY:C | 10 | 0.29 |
| (1,37) | 1:A:250:THR:N | 2:B:655:GLY:CA | 10 | 0.29 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:N | 2:B:655:GLY:H | 10 | 0.29 |
| (1,37) | 1:A:250:THR:N | 2:B:655:GLY:HA2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:N | 2:B:655:GLY:HA3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:N | 2:B:655:GLY:N | 10 | 0.29 |
| (1,37) | 1:A:250:THR:N | 2:B:655:GLY:O | 10 | 0.29 |
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:C | 10 | 0.29 |
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:CA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:CB | 10 | 0.29 |
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:CD1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:CD2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:CE1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:CE2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:CG | 10 | 0.29 |
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:CZ | 10 | 0.29 |
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:H | 10 | 0.29 |
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:HA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:HB2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:HB3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:HD1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:HD2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:HE1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:HE2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:HZ | 10 | 0.29 |
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:N | 10 | 0.29 |
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:O | 10 | 0.29 |
| (1,37) | 1:A:250:THR:N | 2:B:657:SEP:C | 10 | 0.29 |
| (1,37) | 1:A:250:THR:N | 2:B:657:SEP:CA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:N | 2:B:657:SEP:CB | 10 | 0.29 |
| (1,37) | 1:A:250:THR:N | 2:B:657:SEP:H | 10 | 0.29 |
| (1,37) | 1:A:250:THR:N | 2:B:657:SEP:HA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:N | 2:B:657:SEP:HB3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:N | 2:B:657:SEP:N | 10 | 0.29 |
| (1,37) | 1:A:250:THR:N | 2:B:657:SEP:O | 10 | 0.29 |
| (1,37) | 1:A:250:THR:N | 2:B:657:SEP:O1P | 10 | 0.29 |
| (1,37) | 1:A:250:THR:N | 2:B:657:SEP:O2P | 10 | 0.29 |
| (1,37) | 1:A:250:THR:N | 2:B:657:SEP:O3P | 10 | 0.29 |
| (1,37) | 1:A:250:THR:N | 2:B:657:SEP:OG | 10 | 0.29 |
| (1,37) | 1:A:250:THR:N | 2:B:657:SEP:P | 10 | 0.29 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:C | 10 | 0.29 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:CA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:CB | 10 | 0.29 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:CD1 | 10 | 0.29 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:CD2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:CE1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:CE2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:CG | 10 | 0.29 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:CZ | 10 | 0.29 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:H | 10 | 0.29 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:HA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:HB2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:HB3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:HD1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:HD2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:HE1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:HE2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:HH | 10 | 0.29 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:N | 10 | 0.29 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:O | 10 | 0.29 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:OH | 10 | 0.29 |
| (1,37) | 1:A:250:THR:N | 2:B:659:NH2:HN1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:N | 2:B:659:NH2:HN2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:N | 2:B:659:NH2:N | 10 | 0.29 |
| (1,37) | 1:A:250:THR:O | 2:B:648:ACE:C | 10 | 0.29 |
| (1,37) | 1:A:250:THR:O | 2:B:648:ACE:CH3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:O | 2:B:648:ACE:H1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:O | 2:B:648:ACE:H2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:O | 2:B:648:ACE:H3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:O | 2:B:648:ACE:O | 10 | 0.29 |
| (1,37) | 1:A:250:THR:O | 2:B:649:ASP:C | 10 | 0.29 |
| (1,37) | 1:A:250:THR:O | 2:B:649:ASP:CA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:O | 2:B:649:ASP:CB | 10 | 0.29 |
| (1,37) | 1:A:250:THR:O | 2:B:649:ASP:CG | 10 | 0.29 |
| (1,37) | 1:A:250:THR:O | 2:B:649:ASP:H | 10 | 0.29 |
| (1,37) | 1:A:250:THR:O | 2:B:649:ASP:HA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:O | 2:B:649:ASP:HB2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:O | 2:B:649:ASP:HB3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:O | 2:B:649:ASP:N | 10 | 0.29 |
| (1,37) | 1:A:250:THR:O | 2:B:649:ASP:O | 10 | 0.29 |
| (1,37) | 1:A:250:THR:O | 2:B:649:ASP:OD1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:O | 2:B:649:ASP:OD2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:O | 2:B:650:GLN:C | 10 | 0.29 |
| (1,37) | 1:A:250:THR:O | 2:B:650:GLN:CA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:O | 2:B:650:GLN:CB | 10 | 0.29 |
| (1,37) | 1:A:250:THR:O | 2:B:650:GLN:CD | 10 | 0.29 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (1,37) | 1:A:250:THR:O | 2:B:650:GLN:CG | 10 | 0.29 |
| (1,37) | 1:A:250:THR:O | 2:B:650:GLN:H | 10 | 0.29 |
| (1,37) | 1:A:250:THR:O | 2:B:650:GLN:HA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:O | 2:B:650:GLN:HB2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:O | 2:B:650:GLN:HB3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:O | 2:B:650:GLN:HE21 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:O | 2:B:650:GLN:HE22 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:O | 2:B:650:GLN:HG2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:O | 2:B:650:GLN:HG3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:O | 2:B:650:GLN:N | 10 | 0.29 |
| (1,37) | 1:A:250:THR:O | 2:B:650:GLN:NE2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:O | 2:B:650:GLN:O | 10 | 0.29 |
| (1,37) | 1:A:250:THR:O | 2:B:650:GLN:OE1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:O | 2:B:651:SER:C | 10 | 0.29 |
| (1,37) | 1:A:250:THR:O | 2:B:651:SER:CA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:O | 2:B:651:SER:CB | 10 | 0.29 |
| (1,37) | 1:A:250:THR:O | 2:B:651:SER:H | 10 | 0.29 |
| (1,37) | 1:A:250:THR:O | 2:B:651:SER:HA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:O | 2:B:651:SER:HB2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:O | 2:B:651:SER:HB3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:O | 2:B:651:SER:HG | 10 | 0.29 |
| (1,37) | 1:A:250:THR:O | 2:B:651:SER:N | 10 | 0.29 |
| (1,37) | 1:A:250:THR:O | 2:B:651:SER:O | 10 | 0.29 |
| (1,37) | 1:A:250:THR:O | 2:B:651:SER:OG | 10 | 0.29 |
| (1,37) | 1:A:250:THR:O | 2:B:652:ASP:C | 10 | 0.29 |
| (1,37) | 1:A:250:THR:O | 2:B:652:ASP:CA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:O | 2:B:652:ASP:CB | 10 | 0.29 |
| (1,37) | 1:A:250:THR:O | 2:B:652:ASP:CG | 10 | 0.29 |
| (1,37) | 1:A:250:THR:O | 2:B:652:ASP:H | 10 | 0.29 |
| (1,37) | 1:A:250:THR:O | 2:B:652:ASP:HA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:O | 2:B:652:ASP:HB2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:O | 2:B:652:ASP:HB3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:O | 2:B:652:ASP:N | 10 | 0.29 |
| (1,37) | 1:A:250:THR:O | 2:B:652:ASP:O | 10 | 0.29 |
| (1,37) | 1:A:250:THR:O | 2:B:652:ASP:OD1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:O | 2:B:652:ASP:OD2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:C | 10 | 0.29 |
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:CA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:CB | 10 | 0.29 |
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:CD1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:CD2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:CE1 | 10 | 0.29 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:CE2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:CG | 10 | 0.29 |
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:CZ | 10 | 0.29 |
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:H | 10 | 0.29 |
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:HA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:HB2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:HB3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:HD1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:HD2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:HE1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:HE2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:HZ | 10 | 0.29 |
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:N | 10 | 0.29 |
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:O | 10 | 0.29 |
| (1,37) | 1:A:250:THR:O | 2:B:654:GLU:C | 10 | 0.29 |
| (1,37) | 1:A:250:THR:O | 2:B:654:GLU:CA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:O | 2:B:654:GLU:CB | 10 | 0.29 |
| (1,37) | 1:A:250:THR:O | 2:B:654:GLU:CD | 10 | 0.29 |
| (1,37) | 1:A:250:THR:O | 2:B:654:GLU:CG | 10 | 0.29 |
| (1,37) | 1:A:250:THR:O | 2:B:654:GLU:H | 10 | 0.29 |
| (1,37) | 1:A:250:THR:O | 2:B:654:GLU:HA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:O | 2:B:654:GLU:HB2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:O | 2:B:654:GLU:HB3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:O | 2:B:654:GLU:HG2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:O | 2:B:654:GLU:HG3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:O | 2:B:654:GLU:N | 10 | 0.29 |
| (1,37) | 1:A:250:THR:O | 2:B:654:GLU:O | 10 | 0.29 |
| (1,37) | 1:A:250:THR:O | 2:B:654:GLU:OE1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:O | 2:B:654:GLU:OE2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:O | 2:B:655:GLY:C | 10 | 0.29 |
| (1,37) | 1:A:250:THR:O | 2:B:655:GLY:CA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:O | 2:B:655:GLY:H | 10 | 0.29 |
| (1,37) | 1:A:250:THR:O | 2:B:655:GLY:HA2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:O | 2:B:655:GLY:HA3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:O | 2:B:655:GLY:N | 10 | 0.29 |
| (1,37) | 1:A:250:THR:O | 2:B:655:GLY:O | 10 | 0.29 |
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:C | 10 | 0.29 |
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:CA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:CB | 10 | 0.29 |
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:CD1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:CD2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:CE1 | 10 | 0.29 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:CE2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:CG | 10 | 0.29 |
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:CZ | 10 | 0.29 |
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:H | 10 | 0.29 |
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:HA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:HB2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:HB3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:HD1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:HD2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:HE1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:HE2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:HZ | 10 | 0.29 |
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:N | 10 | 0.29 |
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:O | 10 | 0.29 |
| (1,37) | 1:A:250:THR:O | 2:B:657:SEP:C | 10 | 0.29 |
| (1,37) | 1:A:250:THR:O | 2:B:657:SEP:CA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:O | 2:B:657:SEP:CB | 10 | 0.29 |
| (1,37) | 1:A:250:THR:O | 2:B:657:SEP:H | 10 | 0.29 |
| (1,37) | 1:A:250:THR:O | 2:B:657:SEP:HA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:O | 2:B:657:SEP:HB3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:O | 2:B:657:SEP:N | 10 | 0.29 |
| (1,37) | 1:A:250:THR:O | 2:B:657:SEP:O | 10 | 0.29 |
| (1,37) | 1:A:250:THR:O | 2:B:657:SEP:O1P | 10 | 0.29 |
| (1,37) | 1:A:250:THR:O | 2:B:657:SEP:O2P | 10 | 0.29 |
| (1,37) | 1:A:250:THR:O | 2:B:657:SEP:O3P | 10 | 0.29 |
| (1,37) | 1:A:250:THR:O | 2:B:657:SEP:OG | 10 | 0.29 |
| (1,37) | 1:A:250:THR:O | 2:B:657:SEP:P | 10 | 0.29 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:C | 10 | 0.29 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:CA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:CB | 10 | 0.29 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:CD1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:CD2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:CE1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:CE2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:CG | 10 | 0.29 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:CZ | 10 | 0.29 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:H | 10 | 0.29 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:HA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:HB2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:HB3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:HD1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:HD2 | 10 | 0.29 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|------------------|----------|---------------|
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:HE1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:HE2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:HH | 10 | 0.29 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:N | 10 | 0.29 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:O | 10 | 0.29 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:OH | 10 | 0.29 |
| (1,37) | 1:A:250:THR:O | 2:B:659:NH2:HN1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:O | 2:B:659:NH2:HN2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:O | 2:B:659:NH2:N | 10 | 0.29 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:648:ACE:C | 10 | 0.29 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:648:ACE:CH3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:648:ACE:H1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:648:ACE:H2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:648:ACE:H3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:648:ACE:O | 10 | 0.29 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:649:ASP:C | 10 | 0.29 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:649:ASP:CA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:649:ASP:CB | 10 | 0.29 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:649:ASP:CG | 10 | 0.29 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:649:ASP:H | 10 | 0.29 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:649:ASP:HA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:649:ASP:HB2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:649:ASP:HB3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:649:ASP:N | 10 | 0.29 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:649:ASP:O | 10 | 0.29 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:649:ASP:OD1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:649:ASP:OD2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:650:GLN:C | 10 | 0.29 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:650:GLN:CA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:650:GLN:CB | 10 | 0.29 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:650:GLN:CD | 10 | 0.29 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:650:GLN:CG | 10 | 0.29 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:650:GLN:H | 10 | 0.29 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:650:GLN:HA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:650:GLN:HB2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:650:GLN:HB3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:650:GLN:HE21 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:650:GLN:HE22 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:650:GLN:HG2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:650:GLN:HG3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:650:GLN:N | 10 | 0.29 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:650:GLN:NE2 | 10 | 0.29 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:OG1 | 2:B:650:GLN:O | 10 | 0.29 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:650:GLN:OE1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:651:SER:C | 10 | 0.29 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:651:SER:CA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:651:SER:CB | 10 | 0.29 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:651:SER:H | 10 | 0.29 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:651:SER:HA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:651:SER:HB2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:651:SER:HB3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:651:SER:HG | 10 | 0.29 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:651:SER:N | 10 | 0.29 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:651:SER:O | 10 | 0.29 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:651:SER:OG | 10 | 0.29 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:652:ASP:C | 10 | 0.29 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:652:ASP:CA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:652:ASP:CB | 10 | 0.29 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:652:ASP:CG | 10 | 0.29 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:652:ASP:H | 10 | 0.29 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:652:ASP:HA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:652:ASP:HB2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:652:ASP:HB3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:652:ASP:N | 10 | 0.29 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:652:ASP:O | 10 | 0.29 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:652:ASP:OD1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:652:ASP:OD2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:C | 10 | 0.29 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:CA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:CB | 10 | 0.29 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:CD1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:CD2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:CE1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:CE2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:CG | 10 | 0.29 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:CZ | 10 | 0.29 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:H | 10 | 0.29 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:HA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:HB2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:HB3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:HD1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:HD2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:HE1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:HE2 | 10 | 0.29 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:HZ | 10 | 0.29 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:N | 10 | 0.29 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:O | 10 | 0.29 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:654:GLU:C | 10 | 0.29 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:654:GLU:CA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:654:GLU:CB | 10 | 0.29 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:654:GLU:CD | 10 | 0.29 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:654:GLU:CG | 10 | 0.29 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:654:GLU:H | 10 | 0.29 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:654:GLU:HA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:654:GLU:HB2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:654:GLU:HB3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:654:GLU:HG2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:654:GLU:HG3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:654:GLU:N | 10 | 0.29 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:654:GLU:O | 10 | 0.29 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:654:GLU:OE1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:654:GLU:OE2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:655:GLY:C | 10 | 0.29 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:655:GLY:CA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:655:GLY:H | 10 | 0.29 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:655:GLY:HA2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:655:GLY:HA3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:655:GLY:N | 10 | 0.29 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:655:GLY:O | 10 | 0.29 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:C | 10 | 0.29 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:CA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:CB | 10 | 0.29 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:CD1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:CD2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:CE1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:CE2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:CG | 10 | 0.29 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:CZ | 10 | 0.29 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:H | 10 | 0.29 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:HA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:HB2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:HB3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:HD1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:HD2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:HE1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:HE2 | 10 | 0.29 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:HZ | 10 | 0.29 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:N | 10 | 0.29 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:O | 10 | 0.29 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:657:SEP:C | 10 | 0.29 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:657:SEP:CA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:657:SEP:CB | 10 | 0.29 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:657:SEP:H | 10 | 0.29 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:657:SEP:HA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:657:SEP:HB3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:657:SEP:N | 10 | 0.29 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:657:SEP:O | 10 | 0.29 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:657:SEP:O1P | 10 | 0.29 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:657:SEP:O2P | 10 | 0.29 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:657:SEP:O3P | 10 | 0.29 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:657:SEP:OG | 10 | 0.29 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:657:SEP:P | 10 | 0.29 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:C | 10 | 0.29 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:CA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:CB | 10 | 0.29 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:CD1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:CD2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:CE1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:CE2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:CG | 10 | 0.29 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:CZ | 10 | 0.29 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:H | 10 | 0.29 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:HA | 10 | 0.29 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:HB2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:HB3 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:HD1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:HD2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:HE1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:HE2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:HH | 10 | 0.29 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:N | 10 | 0.29 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:O | 10 | 0.29 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:OH | 10 | 0.29 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:659:NH2:HN1 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:659:NH2:HN2 | 10 | 0.29 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:659:NH2:N | 10 | 0.29 |
| (1,37) | 1:A:250:THR:C | 2:B:648:ACE:C | 16 | 0.24 |
| (1,37) | 1:A:250:THR:C | 2:B:648:ACE:CH3 | 16 | 0.24 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (1,37) | 1:A:250:THR:C | 2:B:648:ACE:H1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:C | 2:B:648:ACE:H2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:C | 2:B:648:ACE:H3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:C | 2:B:648:ACE:O | 16 | 0.24 |
| (1,37) | 1:A:250:THR:C | 2:B:649:ASP:C | 16 | 0.24 |
| (1,37) | 1:A:250:THR:C | 2:B:649:ASP:CA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:C | 2:B:649:ASP:CB | 16 | 0.24 |
| (1,37) | 1:A:250:THR:C | 2:B:649:ASP:CG | 16 | 0.24 |
| (1,37) | 1:A:250:THR:C | 2:B:649:ASP:H | 16 | 0.24 |
| (1,37) | 1:A:250:THR:C | 2:B:649:ASP:HA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:C | 2:B:649:ASP:HB2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:C | 2:B:649:ASP:HB3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:C | 2:B:649:ASP:N | 16 | 0.24 |
| (1,37) | 1:A:250:THR:C | 2:B:649:ASP:O | 16 | 0.24 |
| (1,37) | 1:A:250:THR:C | 2:B:649:ASP:OD1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:C | 2:B:649:ASP:OD2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:C | 2:B:650:GLN:C | 16 | 0.24 |
| (1,37) | 1:A:250:THR:C | 2:B:650:GLN:CA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:C | 2:B:650:GLN:CB | 16 | 0.24 |
| (1,37) | 1:A:250:THR:C | 2:B:650:GLN:CD | 16 | 0.24 |
| (1,37) | 1:A:250:THR:C | 2:B:650:GLN:CG | 16 | 0.24 |
| (1,37) | 1:A:250:THR:C | 2:B:650:GLN:H | 16 | 0.24 |
| (1,37) | 1:A:250:THR:C | 2:B:650:GLN:HA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:C | 2:B:650:GLN:HB2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:C | 2:B:650:GLN:HB3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:C | 2:B:650:GLN:HE21 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:C | 2:B:650:GLN:HE22 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:C | 2:B:650:GLN:HG2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:C | 2:B:650:GLN:HG3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:C | 2:B:650:GLN:N | 16 | 0.24 |
| (1,37) | 1:A:250:THR:C | 2:B:650:GLN:NE2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:C | 2:B:650:GLN:O | 16 | 0.24 |
| (1,37) | 1:A:250:THR:C | 2:B:650:GLN:OE1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:C | 2:B:651:SER:C | 16 | 0.24 |
| (1,37) | 1:A:250:THR:C | 2:B:651:SER:CA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:C | 2:B:651:SER:CB | 16 | 0.24 |
| (1,37) | 1:A:250:THR:C | 2:B:651:SER:H | 16 | 0.24 |
| (1,37) | 1:A:250:THR:C | 2:B:651:SER:HA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:C | 2:B:651:SER:HB2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:C | 2:B:651:SER:HB3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:C | 2:B:651:SER:HG | 16 | 0.24 |
| (1,37) | 1:A:250:THR:C | 2:B:651:SER:N | 16 | 0.24 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:C | 2:B:651:SER:O | 16 | 0.24 |
| (1,37) | 1:A:250:THR:C | 2:B:651:SER:OG | 16 | 0.24 |
| (1,37) | 1:A:250:THR:C | 2:B:652:ASP:C | 16 | 0.24 |
| (1,37) | 1:A:250:THR:C | 2:B:652:ASP:CA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:C | 2:B:652:ASP:CB | 16 | 0.24 |
| (1,37) | 1:A:250:THR:C | 2:B:652:ASP:CG | 16 | 0.24 |
| (1,37) | 1:A:250:THR:C | 2:B:652:ASP:H | 16 | 0.24 |
| (1,37) | 1:A:250:THR:C | 2:B:652:ASP:HA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:C | 2:B:652:ASP:HB2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:C | 2:B:652:ASP:HB3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:C | 2:B:652:ASP:N | 16 | 0.24 |
| (1,37) | 1:A:250:THR:C | 2:B:652:ASP:O | 16 | 0.24 |
| (1,37) | 1:A:250:THR:C | 2:B:652:ASP:OD1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:C | 2:B:652:ASP:OD2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:C | 16 | 0.24 |
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:CA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:CB | 16 | 0.24 |
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:CD1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:CD2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:CE1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:CE2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:CG | 16 | 0.24 |
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:CZ | 16 | 0.24 |
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:H | 16 | 0.24 |
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:HA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:HB2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:HB3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:HD1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:HD2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:HE1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:HE2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:HZ | 16 | 0.24 |
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:N | 16 | 0.24 |
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:O | 16 | 0.24 |
| (1,37) | 1:A:250:THR:C | 2:B:654:GLU:C | 16 | 0.24 |
| (1,37) | 1:A:250:THR:C | 2:B:654:GLU:CA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:C | 2:B:654:GLU:CB | 16 | 0.24 |
| (1,37) | 1:A:250:THR:C | 2:B:654:GLU:CD | 16 | 0.24 |
| (1,37) | 1:A:250:THR:C | 2:B:654:GLU:CG | 16 | 0.24 |
| (1,37) | 1:A:250:THR:C | 2:B:654:GLU:H | 16 | 0.24 |
| (1,37) | 1:A:250:THR:C | 2:B:654:GLU:HA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:C | 2:B:654:GLU:HB2 | 16 | 0.24 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:C | 2:B:654:GLU:HB3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:C | 2:B:654:GLU:HG2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:C | 2:B:654:GLU:HG3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:C | 2:B:654:GLU:N | 16 | 0.24 |
| (1,37) | 1:A:250:THR:C | 2:B:654:GLU:O | 16 | 0.24 |
| (1,37) | 1:A:250:THR:C | 2:B:654:GLU:OE1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:C | 2:B:654:GLU:OE2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:C | 2:B:655:GLY:C | 16 | 0.24 |
| (1,37) | 1:A:250:THR:C | 2:B:655:GLY:CA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:C | 2:B:655:GLY:H | 16 | 0.24 |
| (1,37) | 1:A:250:THR:C | 2:B:655:GLY:HA2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:C | 2:B:655:GLY:HA3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:C | 2:B:655:GLY:N | 16 | 0.24 |
| (1,37) | 1:A:250:THR:C | 2:B:655:GLY:O | 16 | 0.24 |
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:C | 16 | 0.24 |
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:CA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:CB | 16 | 0.24 |
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:CD1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:CD2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:CE1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:CE2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:CG | 16 | 0.24 |
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:CZ | 16 | 0.24 |
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:H | 16 | 0.24 |
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:HA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:HB2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:HB3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:HD1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:HD2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:HE1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:HE2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:HZ | 16 | 0.24 |
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:N | 16 | 0.24 |
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:O | 16 | 0.24 |
| (1,37) | 1:A:250:THR:C | 2:B:657:SEP:C | 16 | 0.24 |
| (1,37) | 1:A:250:THR:C | 2:B:657:SEP:CA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:C | 2:B:657:SEP:CB | 16 | 0.24 |
| (1,37) | 1:A:250:THR:C | 2:B:657:SEP:H | 16 | 0.24 |
| (1,37) | 1:A:250:THR:C | 2:B:657:SEP:HA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:C | 2:B:657:SEP:HB3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:C | 2:B:657:SEP:N | 16 | 0.24 |
| (1,37) | 1:A:250:THR:C | 2:B:657:SEP:O | 16 | 0.24 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:C | 2:B:657:SEP:O1P | 16 | 0.24 |
| (1,37) | 1:A:250:THR:C | 2:B:657:SEP:O2P | 16 | 0.24 |
| (1,37) | 1:A:250:THR:C | 2:B:657:SEP:O3P | 16 | 0.24 |
| (1,37) | 1:A:250:THR:C | 2:B:657:SEP:OG | 16 | 0.24 |
| (1,37) | 1:A:250:THR:C | 2:B:657:SEP:P | 16 | 0.24 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:C | 16 | 0.24 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:CA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:CB | 16 | 0.24 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:CD1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:CD2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:CE1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:CE2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:CG | 16 | 0.24 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:CZ | 16 | 0.24 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:H | 16 | 0.24 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:HA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:HB2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:HB3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:HD1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:HD2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:HE1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:HE2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:HH | 16 | 0.24 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:N | 16 | 0.24 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:O | 16 | 0.24 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:OH | 16 | 0.24 |
| (1,37) | 1:A:250:THR:C | 2:B:659:NH2:HN1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:C | 2:B:659:NH2:HN2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:C | 2:B:659:NH2:N | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CA | 2:B:648:ACE:C | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CA | 2:B:648:ACE:CH3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CA | 2:B:648:ACE:H1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CA | 2:B:648:ACE:H2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CA | 2:B:648:ACE:H3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CA | 2:B:648:ACE:O | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CA | 2:B:649:ASP:C | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CA | 2:B:649:ASP:CA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CA | 2:B:649:ASP:CB | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CA | 2:B:649:ASP:CG | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CA | 2:B:649:ASP:H | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CA | 2:B:649:ASP:HA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CA | 2:B:649:ASP:HB2 | 16 | 0.24 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (1,37) | 1:A:250:THR:CA | 2:B:649:ASP:HB3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CA | 2:B:649:ASP:N | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CA | 2:B:649:ASP:O | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CA | 2:B:649:ASP:OD1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CA | 2:B:649:ASP:OD2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CA | 2:B:650:GLN:C | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CA | 2:B:650:GLN:CA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CA | 2:B:650:GLN:CB | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CA | 2:B:650:GLN:CD | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CA | 2:B:650:GLN:CG | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CA | 2:B:650:GLN:H | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CA | 2:B:650:GLN:HA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CA | 2:B:650:GLN:HB2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CA | 2:B:650:GLN:HB3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CA | 2:B:650:GLN:HE21 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CA | 2:B:650:GLN:HE22 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CA | 2:B:650:GLN:HG2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CA | 2:B:650:GLN:HG3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CA | 2:B:650:GLN:N | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CA | 2:B:650:GLN:NE2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CA | 2:B:650:GLN:O | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CA | 2:B:650:GLN:OE1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CA | 2:B:651:SER:C | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CA | 2:B:651:SER:CA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CA | 2:B:651:SER:CB | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CA | 2:B:651:SER:H | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CA | 2:B:651:SER:HA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CA | 2:B:651:SER:HB2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CA | 2:B:651:SER:HB3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CA | 2:B:651:SER:HG | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CA | 2:B:651:SER:N | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CA | 2:B:651:SER:O | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CA | 2:B:651:SER:OG | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CA | 2:B:652:ASP:C | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CA | 2:B:652:ASP:CA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CA | 2:B:652:ASP:CB | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CA | 2:B:652:ASP:CG | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CA | 2:B:652:ASP:H | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CA | 2:B:652:ASP:HA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CA | 2:B:652:ASP:HB2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CA | 2:B:652:ASP:HB3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CA | 2:B:652:ASP:N | 16 | 0.24 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:CA | 2:B:652:ASP:O | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CA | 2:B:652:ASP:OD1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CA | 2:B:652:ASP:OD2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:C | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:CA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:CB | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:CD1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:CD2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:CE1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:CE2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:CG | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:CZ | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:H | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:HA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:HB2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:HB3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:HD1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:HD2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:HE1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:HE2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:HZ | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:N | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:O | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CA | 2:B:654:GLU:C | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CA | 2:B:654:GLU:CA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CA | 2:B:654:GLU:CB | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CA | 2:B:654:GLU:CD | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CA | 2:B:654:GLU:CG | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CA | 2:B:654:GLU:H | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CA | 2:B:654:GLU:HA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CA | 2:B:654:GLU:HB2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CA | 2:B:654:GLU:HB3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CA | 2:B:654:GLU:HG2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CA | 2:B:654:GLU:HG3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CA | 2:B:654:GLU:N | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CA | 2:B:654:GLU:O | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CA | 2:B:654:GLU:OE1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CA | 2:B:654:GLU:OE2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CA | 2:B:655:GLY:C | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CA | 2:B:655:GLY:CA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CA | 2:B:655:GLY:H | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CA | 2:B:655:GLY:HA2 | 16 | 0.24 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:CA | 2:B:655:GLY:HA3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CA | 2:B:655:GLY:N | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CA | 2:B:655:GLY:O | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:C | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:CA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:CB | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:CD1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:CD2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:CE1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:CE2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:CG | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:CZ | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:H | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:HA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:HB2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:HB3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:HD1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:HD2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:HE1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:HE2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:HZ | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:N | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:O | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CA | 2:B:657:SEP:C | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CA | 2:B:657:SEP:CA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CA | 2:B:657:SEP:CB | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CA | 2:B:657:SEP:H | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CA | 2:B:657:SEP:HA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CA | 2:B:657:SEP:HB3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CA | 2:B:657:SEP:N | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CA | 2:B:657:SEP:O | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CA | 2:B:657:SEP:O1P | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CA | 2:B:657:SEP:O2P | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CA | 2:B:657:SEP:O3P | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CA | 2:B:657:SEP:OG | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CA | 2:B:657:SEP:P | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:C | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:CA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:CB | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:CD1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:CD2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:CE1 | 16 | 0.24 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:CE2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:CG | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:CZ | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:H | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:HA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:HB2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:HB3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:HD1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:HD2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:HE1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:HE2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:HH | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:N | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:O | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:OH | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CA | 2:B:659:NH2:HN1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CA | 2:B:659:NH2:HN2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CA | 2:B:659:NH2:N | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CB | 2:B:648:ACE:C | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CB | 2:B:648:ACE:CH3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CB | 2:B:648:ACE:H1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CB | 2:B:648:ACE:H2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CB | 2:B:648:ACE:H3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CB | 2:B:648:ACE:O | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CB | 2:B:649:ASP:C | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CB | 2:B:649:ASP:CA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CB | 2:B:649:ASP:CB | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CB | 2:B:649:ASP:CG | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CB | 2:B:649:ASP:H | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CB | 2:B:649:ASP:HA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CB | 2:B:649:ASP:HB2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CB | 2:B:649:ASP:HB3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CB | 2:B:649:ASP:N | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CB | 2:B:649:ASP:O | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CB | 2:B:649:ASP:OD1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CB | 2:B:649:ASP:OD2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CB | 2:B:650:GLN:C | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CB | 2:B:650:GLN:CA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CB | 2:B:650:GLN:CB | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CB | 2:B:650:GLN:CD | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CB | 2:B:650:GLN:CG | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CB | 2:B:650:GLN:H | 16 | 0.24 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (1,37) | 1:A:250:THR:CB | 2:B:650:GLN:HA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CB | 2:B:650:GLN:HB2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CB | 2:B:650:GLN:HB3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CB | 2:B:650:GLN:HE21 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CB | 2:B:650:GLN:HE22 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CB | 2:B:650:GLN:HG2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CB | 2:B:650:GLN:HG3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CB | 2:B:650:GLN:N | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CB | 2:B:650:GLN:NE2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CB | 2:B:650:GLN:O | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CB | 2:B:650:GLN:OE1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CB | 2:B:651:SER:C | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CB | 2:B:651:SER:CA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CB | 2:B:651:SER:CB | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CB | 2:B:651:SER:H | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CB | 2:B:651:SER:HA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CB | 2:B:651:SER:HB2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CB | 2:B:651:SER:HB3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CB | 2:B:651:SER:HG | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CB | 2:B:651:SER:N | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CB | 2:B:651:SER:O | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CB | 2:B:651:SER:OG | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CB | 2:B:652:ASP:C | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CB | 2:B:652:ASP:CA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CB | 2:B:652:ASP:CB | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CB | 2:B:652:ASP:CG | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CB | 2:B:652:ASP:H | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CB | 2:B:652:ASP:HA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CB | 2:B:652:ASP:HB2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CB | 2:B:652:ASP:HB3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CB | 2:B:652:ASP:N | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CB | 2:B:652:ASP:O | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CB | 2:B:652:ASP:OD1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CB | 2:B:652:ASP:OD2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:C | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:CA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:CB | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:CD1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:CD2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:CE1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:CE2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:CG | 16 | 0.24 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:CZ | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:H | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:HA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:HB2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:HB3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:HD1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:HD2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:HE1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:HE2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:HZ | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:N | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:O | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CB | 2:B:654:GLU:C | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CB | 2:B:654:GLU:CA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CB | 2:B:654:GLU:CB | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CB | 2:B:654:GLU:CD | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CB | 2:B:654:GLU:CG | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CB | 2:B:654:GLU:H | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CB | 2:B:654:GLU:HA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CB | 2:B:654:GLU:HB2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CB | 2:B:654:GLU:HB3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CB | 2:B:654:GLU:HG2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CB | 2:B:654:GLU:HG3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CB | 2:B:654:GLU:N | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CB | 2:B:654:GLU:O | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CB | 2:B:654:GLU:OE1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CB | 2:B:654:GLU:OE2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CB | 2:B:655:GLY:C | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CB | 2:B:655:GLY:CA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CB | 2:B:655:GLY:H | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CB | 2:B:655:GLY:HA2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CB | 2:B:655:GLY:HA3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CB | 2:B:655:GLY:N | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CB | 2:B:655:GLY:O | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:C | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:CA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:CB | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:CD1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:CD2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:CE1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:CE2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:CG | 16 | 0.24 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:CZ | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:H | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:HA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:HB2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:HB3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:HD1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:HD2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:HE1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:HE2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:HZ | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:N | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:O | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CB | 2:B:657:SEP:C | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CB | 2:B:657:SEP:CA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CB | 2:B:657:SEP:CB | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CB | 2:B:657:SEP:H | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CB | 2:B:657:SEP:HA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CB | 2:B:657:SEP:HB3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CB | 2:B:657:SEP:N | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CB | 2:B:657:SEP:O | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CB | 2:B:657:SEP:O1P | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CB | 2:B:657:SEP:O2P | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CB | 2:B:657:SEP:O3P | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CB | 2:B:657:SEP:OG | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CB | 2:B:657:SEP:P | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:C | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:CA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:CB | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:CD1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:CD2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:CE1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:CE2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:CG | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:CZ | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:H | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:HA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:HB2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:HB3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:HD1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:HD2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:HE1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:HE2 | 16 | 0.24 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|------------------|----------|---------------|
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:HH | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:N | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:O | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:OH | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CB | 2:B:659:NH2:HN1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CB | 2:B:659:NH2:HN2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CB | 2:B:659:NH2:N | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:648:ACE:C | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:648:ACE:CH3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:648:ACE:H1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:648:ACE:H2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:648:ACE:H3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:648:ACE:O | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:649:ASP:C | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:649:ASP:CA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:649:ASP:CB | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:649:ASP:CG | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:649:ASP:H | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:649:ASP:HA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:649:ASP:HB2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:649:ASP:HB3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:649:ASP:N | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:649:ASP:O | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:649:ASP:OD1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:649:ASP:OD2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:650:GLN:C | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:650:GLN:CA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:650:GLN:CB | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:650:GLN:CD | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:650:GLN:CG | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:650:GLN:H | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:650:GLN:HA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:650:GLN:HB2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:650:GLN:HB3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:650:GLN:HE21 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:650:GLN:HE22 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:650:GLN:HG2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:650:GLN:HG3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:650:GLN:N | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:650:GLN:NE2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:650:GLN:O | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:650:GLN:OE1 | 16 | 0.24 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:CG2 | 2:B:651:SER:C | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:651:SER:CA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:651:SER:CB | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:651:SER:H | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:651:SER:HA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:651:SER:HB2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:651:SER:HB3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:651:SER:HG | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:651:SER:N | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:651:SER:O | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:651:SER:OG | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:652:ASP:C | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:652:ASP:CA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:652:ASP:CB | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:652:ASP:CG | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:652:ASP:H | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:652:ASP:HA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:652:ASP:HB2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:652:ASP:HB3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:652:ASP:N | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:652:ASP:O | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:652:ASP:OD1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:652:ASP:OD2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:C | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:CA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:CB | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:CD1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:CD2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:CE1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:CE2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:CG | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:CZ | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:H | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:HA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:HB2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:HB3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:HD1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:HD2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:HE1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:HE2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:HZ | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:N | 16 | 0.24 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:O | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:654:GLU:C | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:654:GLU:CA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:654:GLU:CB | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:654:GLU:CD | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:654:GLU:CG | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:654:GLU:H | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:654:GLU:HA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:654:GLU:HB2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:654:GLU:HB3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:654:GLU:HG2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:654:GLU:HG3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:654:GLU:N | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:654:GLU:O | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:654:GLU:OE1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:654:GLU:OE2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:655:GLY:C | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:655:GLY:CA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:655:GLY:H | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:655:GLY:HA2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:655:GLY:HA3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:655:GLY:N | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:655:GLY:O | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:C | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:CA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:CB | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:CD1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:CD2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:CE1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:CE2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:CG | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:CZ | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:H | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:HA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:HB2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:HB3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:HD1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:HD2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:HE1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:HE2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:HZ | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:N | 16 | 0.24 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:O | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:657:SEP:C | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:657:SEP:CA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:657:SEP:CB | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:657:SEP:H | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:657:SEP:HA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:657:SEP:HB3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:657:SEP:N | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:657:SEP:O | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:657:SEP:O1P | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:657:SEP:O2P | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:657:SEP:O3P | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:657:SEP:OG | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:657:SEP:P | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:C | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:CA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:CB | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:CD1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:CD2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:CE1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:CE2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:CG | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:CZ | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:H | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:HA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:HB2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:HB3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:HD1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:HD2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:HE1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:HE2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:HH | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:N | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:O | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:OH | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:659:NH2:HN1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:659:NH2:HN2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:659:NH2:N | 16 | 0.24 |
| (1,37) | 1:A:250:THR:H | 2:B:648:ACE:C | 16 | 0.24 |
| (1,37) | 1:A:250:THR:H | 2:B:648:ACE:CH3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:H | 2:B:648:ACE:H1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:H | 2:B:648:ACE:H2 | 16 | 0.24 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (1,37) | 1:A:250:THR:H | 2:B:648:ACE:H3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:H | 2:B:648:ACE:O | 16 | 0.24 |
| (1,37) | 1:A:250:THR:H | 2:B:649:ASP:C | 16 | 0.24 |
| (1,37) | 1:A:250:THR:H | 2:B:649:ASP:CA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:H | 2:B:649:ASP:CB | 16 | 0.24 |
| (1,37) | 1:A:250:THR:H | 2:B:649:ASP:CG | 16 | 0.24 |
| (1,37) | 1:A:250:THR:H | 2:B:649:ASP:H | 16 | 0.24 |
| (1,37) | 1:A:250:THR:H | 2:B:649:ASP:HA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:H | 2:B:649:ASP:HB2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:H | 2:B:649:ASP:HB3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:H | 2:B:649:ASP:N | 16 | 0.24 |
| (1,37) | 1:A:250:THR:H | 2:B:649:ASP:O | 16 | 0.24 |
| (1,37) | 1:A:250:THR:H | 2:B:649:ASP:OD1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:H | 2:B:649:ASP:OD2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:H | 2:B:650:GLN:C | 16 | 0.24 |
| (1,37) | 1:A:250:THR:H | 2:B:650:GLN:CA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:H | 2:B:650:GLN:CB | 16 | 0.24 |
| (1,37) | 1:A:250:THR:H | 2:B:650:GLN:CD | 16 | 0.24 |
| (1,37) | 1:A:250:THR:H | 2:B:650:GLN:CG | 16 | 0.24 |
| (1,37) | 1:A:250:THR:H | 2:B:650:GLN:H | 16 | 0.24 |
| (1,37) | 1:A:250:THR:H | 2:B:650:GLN:HA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:H | 2:B:650:GLN:HB2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:H | 2:B:650:GLN:HB3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:H | 2:B:650:GLN:HE21 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:H | 2:B:650:GLN:HE22 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:H | 2:B:650:GLN:HG2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:H | 2:B:650:GLN:HG3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:H | 2:B:650:GLN:N | 16 | 0.24 |
| (1,37) | 1:A:250:THR:H | 2:B:650:GLN:NE2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:H | 2:B:650:GLN:O | 16 | 0.24 |
| (1,37) | 1:A:250:THR:H | 2:B:650:GLN:OE1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:H | 2:B:651:SER:C | 16 | 0.24 |
| (1,37) | 1:A:250:THR:H | 2:B:651:SER:CA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:H | 2:B:651:SER:CB | 16 | 0.24 |
| (1,37) | 1:A:250:THR:H | 2:B:651:SER:H | 16 | 0.24 |
| (1,37) | 1:A:250:THR:H | 2:B:651:SER:HA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:H | 2:B:651:SER:HB2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:H | 2:B:651:SER:HB3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:H | 2:B:651:SER:HG | 16 | 0.24 |
| (1,37) | 1:A:250:THR:H | 2:B:651:SER:N | 16 | 0.24 |
| (1,37) | 1:A:250:THR:H | 2:B:651:SER:O | 16 | 0.24 |
| (1,37) | 1:A:250:THR:H | 2:B:651:SER:OG | 16 | 0.24 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:H | 2:B:652:ASP:C | 16 | 0.24 |
| (1,37) | 1:A:250:THR:H | 2:B:652:ASP:CA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:H | 2:B:652:ASP:CB | 16 | 0.24 |
| (1,37) | 1:A:250:THR:H | 2:B:652:ASP:CG | 16 | 0.24 |
| (1,37) | 1:A:250:THR:H | 2:B:652:ASP:H | 16 | 0.24 |
| (1,37) | 1:A:250:THR:H | 2:B:652:ASP:HA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:H | 2:B:652:ASP:HB2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:H | 2:B:652:ASP:HB3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:H | 2:B:652:ASP:N | 16 | 0.24 |
| (1,37) | 1:A:250:THR:H | 2:B:652:ASP:O | 16 | 0.24 |
| (1,37) | 1:A:250:THR:H | 2:B:652:ASP:OD1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:H | 2:B:652:ASP:OD2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:C | 16 | 0.24 |
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:CA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:CB | 16 | 0.24 |
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:CD1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:CD2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:CE1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:CE2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:CG | 16 | 0.24 |
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:CZ | 16 | 0.24 |
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:H | 16 | 0.24 |
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:HA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:HB2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:HB3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:HD1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:HD2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:HE1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:HE2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:HZ | 16 | 0.24 |
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:N | 16 | 0.24 |
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:O | 16 | 0.24 |
| (1,37) | 1:A:250:THR:H | 2:B:654:GLU:C | 16 | 0.24 |
| (1,37) | 1:A:250:THR:H | 2:B:654:GLU:CA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:H | 2:B:654:GLU:CB | 16 | 0.24 |
| (1,37) | 1:A:250:THR:H | 2:B:654:GLU:CD | 16 | 0.24 |
| (1,37) | 1:A:250:THR:H | 2:B:654:GLU:CG | 16 | 0.24 |
| (1,37) | 1:A:250:THR:H | 2:B:654:GLU:H | 16 | 0.24 |
| (1,37) | 1:A:250:THR:H | 2:B:654:GLU:HA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:H | 2:B:654:GLU:HB2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:H | 2:B:654:GLU:HB3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:H | 2:B:654:GLU:HG2 | 16 | 0.24 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:H | 2:B:654:GLU:HG3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:H | 2:B:654:GLU:N | 16 | 0.24 |
| (1,37) | 1:A:250:THR:H | 2:B:654:GLU:O | 16 | 0.24 |
| (1,37) | 1:A:250:THR:H | 2:B:654:GLU:OE1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:H | 2:B:654:GLU:OE2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:H | 2:B:655:GLY:C | 16 | 0.24 |
| (1,37) | 1:A:250:THR:H | 2:B:655:GLY:CA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:H | 2:B:655:GLY:H | 16 | 0.24 |
| (1,37) | 1:A:250:THR:H | 2:B:655:GLY:HA2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:H | 2:B:655:GLY:HA3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:H | 2:B:655:GLY:N | 16 | 0.24 |
| (1,37) | 1:A:250:THR:H | 2:B:655:GLY:O | 16 | 0.24 |
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:C | 16 | 0.24 |
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:CA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:CB | 16 | 0.24 |
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:CD1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:CD2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:CE1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:CE2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:CG | 16 | 0.24 |
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:CZ | 16 | 0.24 |
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:H | 16 | 0.24 |
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:HA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:HB2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:HB3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:HD1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:HD2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:HE1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:HE2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:HZ | 16 | 0.24 |
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:N | 16 | 0.24 |
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:O | 16 | 0.24 |
| (1,37) | 1:A:250:THR:H | 2:B:657:SEP:C | 16 | 0.24 |
| (1,37) | 1:A:250:THR:H | 2:B:657:SEP:CA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:H | 2:B:657:SEP:CB | 16 | 0.24 |
| (1,37) | 1:A:250:THR:H | 2:B:657:SEP:H | 16 | 0.24 |
| (1,37) | 1:A:250:THR:H | 2:B:657:SEP:HA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:H | 2:B:657:SEP:HB3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:H | 2:B:657:SEP:N | 16 | 0.24 |
| (1,37) | 1:A:250:THR:H | 2:B:657:SEP:O | 16 | 0.24 |
| (1,37) | 1:A:250:THR:H | 2:B:657:SEP:O1P | 16 | 0.24 |
| (1,37) | 1:A:250:THR:H | 2:B:657:SEP:O2P | 16 | 0.24 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:H | 2:B:657:SEP:O3P | 16 | 0.24 |
| (1,37) | 1:A:250:THR:H | 2:B:657:SEP:OG | 16 | 0.24 |
| (1,37) | 1:A:250:THR:H | 2:B:657:SEP:P | 16 | 0.24 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:C | 16 | 0.24 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:CA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:CB | 16 | 0.24 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:CD1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:CD2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:CE1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:CE2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:CG | 16 | 0.24 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:CZ | 16 | 0.24 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:H | 16 | 0.24 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:HA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:HB2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:HB3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:HD1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:HD2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:HE1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:HE2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:HH | 16 | 0.24 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:N | 16 | 0.24 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:O | 16 | 0.24 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:OH | 16 | 0.24 |
| (1,37) | 1:A:250:THR:H | 2:B:659:NH2:HN1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:H | 2:B:659:NH2:HN2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:H | 2:B:659:NH2:N | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HA | 2:B:648:ACE:C | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HA | 2:B:648:ACE:CH3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HA | 2:B:648:ACE:H1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HA | 2:B:648:ACE:H2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HA | 2:B:648:ACE:H3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HA | 2:B:648:ACE:O | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HA | 2:B:649:ASP:C | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HA | 2:B:649:ASP:CA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HA | 2:B:649:ASP:CB | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HA | 2:B:649:ASP:CG | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HA | 2:B:649:ASP:H | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HA | 2:B:649:ASP:HA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HA | 2:B:649:ASP:HB2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HA | 2:B:649:ASP:HB3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HA | 2:B:649:ASP:N | 16 | 0.24 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (1,37) | 1:A:250:THR:HA | 2:B:649:ASP:O | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HA | 2:B:649:ASP:OD1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HA | 2:B:649:ASP:OD2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HA | 2:B:650:GLN:C | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HA | 2:B:650:GLN:CA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HA | 2:B:650:GLN:CB | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HA | 2:B:650:GLN:CD | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HA | 2:B:650:GLN:CG | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HA | 2:B:650:GLN:H | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HA | 2:B:650:GLN:HA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HA | 2:B:650:GLN:HB2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HA | 2:B:650:GLN:HB3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HA | 2:B:650:GLN:HE21 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HA | 2:B:650:GLN:HE22 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HA | 2:B:650:GLN:HG2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HA | 2:B:650:GLN:HG3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HA | 2:B:650:GLN:N | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HA | 2:B:650:GLN:NE2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HA | 2:B:650:GLN:O | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HA | 2:B:650:GLN:OE1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HA | 2:B:651:SER:C | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HA | 2:B:651:SER:CA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HA | 2:B:651:SER:CB | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HA | 2:B:651:SER:H | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HA | 2:B:651:SER:HA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HA | 2:B:651:SER:HB2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HA | 2:B:651:SER:HB3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HA | 2:B:651:SER:HG | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HA | 2:B:651:SER:N | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HA | 2:B:651:SER:O | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HA | 2:B:651:SER:OG | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HA | 2:B:652:ASP:C | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HA | 2:B:652:ASP:CA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HA | 2:B:652:ASP:CB | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HA | 2:B:652:ASP:CG | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HA | 2:B:652:ASP:H | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HA | 2:B:652:ASP:HA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HA | 2:B:652:ASP:HB2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HA | 2:B:652:ASP:HB3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HA | 2:B:652:ASP:N | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HA | 2:B:652:ASP:O | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HA | 2:B:652:ASP:OD1 | 16 | 0.24 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:HA | 2:B:652:ASP:OD2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:C | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:CA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:CB | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:CD1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:CD2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:CE1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:CE2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:CG | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:CZ | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:H | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:HA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:HB2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:HB3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:HD1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:HD2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:HE1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:HE2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:HZ | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:N | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:O | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HA | 2:B:654:GLU:C | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HA | 2:B:654:GLU:CA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HA | 2:B:654:GLU:CB | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HA | 2:B:654:GLU:CD | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HA | 2:B:654:GLU:CG | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HA | 2:B:654:GLU:H | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HA | 2:B:654:GLU:HA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HA | 2:B:654:GLU:HB2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HA | 2:B:654:GLU:HB3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HA | 2:B:654:GLU:HG2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HA | 2:B:654:GLU:HG3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HA | 2:B:654:GLU:N | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HA | 2:B:654:GLU:O | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HA | 2:B:654:GLU:OE1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HA | 2:B:654:GLU:OE2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HA | 2:B:655:GLY:C | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HA | 2:B:655:GLY:CA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HA | 2:B:655:GLY:H | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HA | 2:B:655:GLY:HA2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HA | 2:B:655:GLY:HA3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HA | 2:B:655:GLY:N | 16 | 0.24 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:HA | 2:B:655:GLY:O | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:C | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:CA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:CB | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:CD1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:CD2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:CE1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:CE2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:CG | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:CZ | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:H | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:HA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:HB2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:HB3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:HD1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:HD2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:HE1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:HE2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:HZ | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:N | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:O | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HA | 2:B:657:SEP:C | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HA | 2:B:657:SEP:CA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HA | 2:B:657:SEP:CB | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HA | 2:B:657:SEP:H | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HA | 2:B:657:SEP:HA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HA | 2:B:657:SEP:HB3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HA | 2:B:657:SEP:N | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HA | 2:B:657:SEP:O | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HA | 2:B:657:SEP:O1P | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HA | 2:B:657:SEP:O2P | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HA | 2:B:657:SEP:O3P | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HA | 2:B:657:SEP:OG | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HA | 2:B:657:SEP:P | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:C | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:CA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:CB | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:CD1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:CD2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:CE1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:CE2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:CG | 16 | 0.24 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:CZ | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:H | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:HA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:HB2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:HB3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:HD1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:HD2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:HE1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:HE2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:HH | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:N | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:O | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:OH | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HA | 2:B:659:NH2:HN1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HA | 2:B:659:NH2:HN2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HA | 2:B:659:NH2:N | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HB | 2:B:648:ACE:C | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HB | 2:B:648:ACE:CH3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HB | 2:B:648:ACE:H1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HB | 2:B:648:ACE:H2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HB | 2:B:648:ACE:H3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HB | 2:B:648:ACE:O | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HB | 2:B:649:ASP:C | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HB | 2:B:649:ASP:CA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HB | 2:B:649:ASP:CB | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HB | 2:B:649:ASP:CG | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HB | 2:B:649:ASP:H | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HB | 2:B:649:ASP:HA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HB | 2:B:649:ASP:HB2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HB | 2:B:649:ASP:HB3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HB | 2:B:649:ASP:N | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HB | 2:B:649:ASP:O | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HB | 2:B:649:ASP:OD1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HB | 2:B:649:ASP:OD2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HB | 2:B:650:GLN:C | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HB | 2:B:650:GLN:CA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HB | 2:B:650:GLN:CB | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HB | 2:B:650:GLN:CD | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HB | 2:B:650:GLN:CG | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HB | 2:B:650:GLN:H | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HB | 2:B:650:GLN:HA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HB | 2:B:650:GLN:HB2 | 16 | 0.24 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (1,37) | 1:A:250:THR:HB | 2:B:650:GLN:HB3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HB | 2:B:650:GLN:HE21 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HB | 2:B:650:GLN:HE22 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HB | 2:B:650:GLN:HG2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HB | 2:B:650:GLN:HG3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HB | 2:B:650:GLN:N | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HB | 2:B:650:GLN:NE2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HB | 2:B:650:GLN:O | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HB | 2:B:650:GLN:OE1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HB | 2:B:651:SER:C | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HB | 2:B:651:SER:CA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HB | 2:B:651:SER:CB | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HB | 2:B:651:SER:H | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HB | 2:B:651:SER:HA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HB | 2:B:651:SER:HB2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HB | 2:B:651:SER:HB3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HB | 2:B:651:SER:HG | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HB | 2:B:651:SER:N | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HB | 2:B:651:SER:O | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HB | 2:B:651:SER:OG | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HB | 2:B:652:ASP:C | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HB | 2:B:652:ASP:CA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HB | 2:B:652:ASP:CB | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HB | 2:B:652:ASP:CG | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HB | 2:B:652:ASP:H | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HB | 2:B:652:ASP:HA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HB | 2:B:652:ASP:HB2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HB | 2:B:652:ASP:HB3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HB | 2:B:652:ASP:N | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HB | 2:B:652:ASP:O | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HB | 2:B:652:ASP:OD1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HB | 2:B:652:ASP:OD2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:C | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:CA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:CB | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:CD1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:CD2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:CE1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:CE2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:CG | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:CZ | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:H | 16 | 0.24 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:HA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:HB2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:HB3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:HD1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:HD2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:HE1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:HE2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:HZ | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:N | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:O | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HB | 2:B:654:GLU:C | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HB | 2:B:654:GLU:CA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HB | 2:B:654:GLU:CB | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HB | 2:B:654:GLU:CD | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HB | 2:B:654:GLU:CG | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HB | 2:B:654:GLU:H | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HB | 2:B:654:GLU:HA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HB | 2:B:654:GLU:HB2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HB | 2:B:654:GLU:HB3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HB | 2:B:654:GLU:HG2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HB | 2:B:654:GLU:HG3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HB | 2:B:654:GLU:N | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HB | 2:B:654:GLU:O | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HB | 2:B:654:GLU:OE1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HB | 2:B:654:GLU:OE2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HB | 2:B:655:GLY:C | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HB | 2:B:655:GLY:CA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HB | 2:B:655:GLY:H | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HB | 2:B:655:GLY:HA2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HB | 2:B:655:GLY:HA3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HB | 2:B:655:GLY:N | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HB | 2:B:655:GLY:O | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:C | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:CA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:CB | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:CD1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:CD2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:CE1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:CE2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:CG | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:CZ | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:H | 16 | 0.24 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:HA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:HB2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:HB3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:HD1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:HD2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:HE1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:HE2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:HZ | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:N | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:O | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HB | 2:B:657:SEP:C | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HB | 2:B:657:SEP:CA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HB | 2:B:657:SEP:CB | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HB | 2:B:657:SEP:H | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HB | 2:B:657:SEP:HA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HB | 2:B:657:SEP:HB3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HB | 2:B:657:SEP:N | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HB | 2:B:657:SEP:O | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HB | 2:B:657:SEP:O1P | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HB | 2:B:657:SEP:O2P | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HB | 2:B:657:SEP:O3P | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HB | 2:B:657:SEP:OG | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HB | 2:B:657:SEP:P | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:C | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:CA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:CB | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:CD1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:CD2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:CE1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:CE2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:CG | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:CZ | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:H | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:HA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:HB2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:HB3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:HD1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:HD2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:HE1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:HE2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:HH | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:N | 16 | 0.24 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|------------------|----------|---------------|
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:O | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:OH | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HB | 2:B:659:NH2:HN1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HB | 2:B:659:NH2:HN2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HB | 2:B:659:NH2:N | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:648:ACE:C | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:648:ACE:CH3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:648:ACE:H1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:648:ACE:H2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:648:ACE:H3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:648:ACE:O | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:649:ASP:C | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:649:ASP:CA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:649:ASP:CB | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:649:ASP:CG | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:649:ASP:H | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:649:ASP:HA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:649:ASP:HB2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:649:ASP:HB3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:649:ASP:N | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:649:ASP:O | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:649:ASP:OD1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:649:ASP:OD2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:650:GLN:C | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:650:GLN:CA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:650:GLN:CB | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:650:GLN:CD | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:650:GLN:CG | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:650:GLN:H | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:650:GLN:HA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:650:GLN:HB2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:650:GLN:HB3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:650:GLN:HE21 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:650:GLN:HE22 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:650:GLN:HG2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:650:GLN:HG3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:650:GLN:N | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:650:GLN:NE2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:650:GLN:O | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:650:GLN:OE1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:651:SER:C | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:651:SER:CA | 16 | 0.24 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:HG1 | 2:B:651:SER:CB | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:651:SER:H | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:651:SER:HA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:651:SER:HB2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:651:SER:HB3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:651:SER:HG | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:651:SER:N | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:651:SER:O | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:651:SER:OG | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:652:ASP:C | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:652:ASP:CA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:652:ASP:CB | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:652:ASP:CG | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:652:ASP:H | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:652:ASP:HA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:652:ASP:HB2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:652:ASP:HB3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:652:ASP:N | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:652:ASP:O | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:652:ASP:OD1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:652:ASP:OD2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:C | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:CA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:CB | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:CD1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:CD2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:CE1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:CE2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:CG | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:CZ | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:H | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:HA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:HB2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:HB3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:HD1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:HD2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:HE1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:HE2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:HZ | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:N | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:O | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:654:GLU:C | 16 | 0.24 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:HG1 | 2:B:654:GLU:CA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:654:GLU:CB | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:654:GLU:CD | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:654:GLU:CG | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:654:GLU:H | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:654:GLU:HA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:654:GLU:HB2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:654:GLU:HB3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:654:GLU:HG2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:654:GLU:HG3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:654:GLU:N | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:654:GLU:O | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:654:GLU:OE1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:654:GLU:OE2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:655:GLY:C | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:655:GLY:CA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:655:GLY:H | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:655:GLY:HA2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:655:GLY:HA3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:655:GLY:N | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:655:GLY:O | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:C | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:CA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:CB | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:CD1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:CD2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:CE1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:CE2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:CG | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:CZ | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:H | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:HA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:HB2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:HB3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:HD1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:HD2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:HE1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:HE2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:HZ | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:N | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:O | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:657:SEP:C | 16 | 0.24 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:HG1 | 2:B:657:SEP:CA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:657:SEP:CB | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:657:SEP:H | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:657:SEP:HA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:657:SEP:HB3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:657:SEP:N | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:657:SEP:O | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:657:SEP:O1P | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:657:SEP:O2P | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:657:SEP:O3P | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:657:SEP:OG | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:657:SEP:P | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:C | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:CA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:CB | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:CD1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:CD2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:CE1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:CE2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:CG | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:CZ | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:H | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:HA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:HB2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:HB3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:HD1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:HD2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:HE1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:HE2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:HH | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:N | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:O | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:OH | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:659:NH2:HN1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:659:NH2:HN2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:659:NH2:N | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:648:ACE:C | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:648:ACE:CH3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:648:ACE:H1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:648:ACE:H2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:648:ACE:H3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:648:ACE:O | 16 | 0.24 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|------------------|----------|---------------|
| (1,37) | 1:A:250:THR:HG21 | 2:B:649:ASP:C | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:649:ASP:CA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:649:ASP:CB | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:649:ASP:CG | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:649:ASP:H | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:649:ASP:HA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:649:ASP:HB2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:649:ASP:HB3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:649:ASP:N | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:649:ASP:O | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:649:ASP:OD1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:649:ASP:OD2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:650:GLN:C | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:650:GLN:CA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:650:GLN:CB | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:650:GLN:CD | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:650:GLN:CG | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:650:GLN:H | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:650:GLN:HA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:650:GLN:HB2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:650:GLN:HB3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:650:GLN:HE21 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:650:GLN:HE22 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:650:GLN:HG2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:650:GLN:HG3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:650:GLN:N | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:650:GLN:NE2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:650:GLN:O | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:650:GLN:OE1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:651:SER:C | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:651:SER:CA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:651:SER:CB | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:651:SER:H | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:651:SER:HA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:651:SER:HB2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:651:SER:HB3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:651:SER:HG | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:651:SER:N | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:651:SER:O | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:651:SER:OG | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:652:ASP:C | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:652:ASP:CA | 16 | 0.24 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:HG21 | 2:B:652:ASP:CB | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:652:ASP:CG | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:652:ASP:H | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:652:ASP:HA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:652:ASP:HB2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:652:ASP:HB3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:652:ASP:N | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:652:ASP:O | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:652:ASP:OD1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:652:ASP:OD2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:C | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:CA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:CB | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:CD1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:CD2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:CE1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:CE2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:CG | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:CZ | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:H | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:HA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:HB2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:HB3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:HD1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:HD2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:HE1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:HE2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:HZ | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:N | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:O | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:654:GLU:C | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:654:GLU:CA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:654:GLU:CB | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:654:GLU:CD | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:654:GLU:CG | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:654:GLU:H | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:654:GLU:HA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:654:GLU:HB2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:654:GLU:HB3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:654:GLU:HG2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:654:GLU:HG3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:654:GLU:N | 16 | 0.24 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:HG21 | 2:B:654:GLU:O | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:654:GLU:OE1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:654:GLU:OE2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:655:GLY:C | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:655:GLY:CA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:655:GLY:H | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:655:GLY:HA2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:655:GLY:HA3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:655:GLY:N | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:655:GLY:O | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:C | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:CA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:CB | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:CD1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:CD2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:CE1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:CE2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:CG | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:CZ | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:H | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:HA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:HB2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:HB3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:HD1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:HD2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:HE1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:HE2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:HZ | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:N | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:O | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:657:SEP:C | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:657:SEP:CA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:657:SEP:CB | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:657:SEP:H | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:657:SEP:HA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:657:SEP:HB3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:657:SEP:N | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:657:SEP:O | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:657:SEP:O1P | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:657:SEP:O2P | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:657:SEP:O3P | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:657:SEP:OG | 16 | 0.24 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:HG21 | 2:B:657:SEP:P | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:C | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:CA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:CB | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:CD1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:CD2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:CE1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:CE2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:CG | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:CZ | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:H | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:HA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:HB2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:HB3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:HD1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:HD2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:HE1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:HE2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:HH | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:N | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:O | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:OH | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:659:NH2:HN1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:659:NH2:HN2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:659:NH2:N | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:648:ACE:C | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:648:ACE:CH3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:648:ACE:H1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:648:ACE:H2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:648:ACE:H3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:648:ACE:O | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:649:ASP:C | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:649:ASP:CA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:649:ASP:CB | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:649:ASP:CG | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:649:ASP:H | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:649:ASP:HA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:649:ASP:HB2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:649:ASP:HB3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:649:ASP:N | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:649:ASP:O | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:649:ASP:OD1 | 16 | 0.24 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|------------------|----------|---------------|
| (1,37) | 1:A:250:THR:HG22 | 2:B:649:ASP:OD2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:650:GLN:C | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:650:GLN:CA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:650:GLN:CB | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:650:GLN:CD | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:650:GLN:CG | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:650:GLN:H | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:650:GLN:HA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:650:GLN:HB2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:650:GLN:HB3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:650:GLN:HE21 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:650:GLN:HE22 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:650:GLN:HG2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:650:GLN:HG3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:650:GLN:N | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:650:GLN:NE2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:650:GLN:O | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:650:GLN:OE1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:651:SER:C | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:651:SER:CA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:651:SER:CB | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:651:SER:H | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:651:SER:HA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:651:SER:HB2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:651:SER:HB3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:651:SER:HG | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:651:SER:N | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:651:SER:O | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:651:SER:OG | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:652:ASP:C | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:652:ASP:CA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:652:ASP:CB | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:652:ASP:CG | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:652:ASP:H | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:652:ASP:HA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:652:ASP:HB2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:652:ASP:HB3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:652:ASP:N | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:652:ASP:O | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:652:ASP:OD1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:652:ASP:OD2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:C | 16 | 0.24 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:CA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:CB | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:CD1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:CD2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:CE1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:CE2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:CG | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:CZ | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:H | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:HA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:HB2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:HB3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:HD1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:HD2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:HE1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:HE2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:HZ | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:N | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:O | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:654:GLU:C | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:654:GLU:CA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:654:GLU:CB | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:654:GLU:CD | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:654:GLU:CG | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:654:GLU:H | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:654:GLU:HA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:654:GLU:HB2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:654:GLU:HB3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:654:GLU:HG2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:654:GLU:HG3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:654:GLU:N | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:654:GLU:O | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:654:GLU:OE1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:654:GLU:OE2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:655:GLY:C | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:655:GLY:CA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:655:GLY:H | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:655:GLY:HA2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:655:GLY:HA3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:655:GLY:N | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:655:GLY:O | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:C | 16 | 0.24 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:CA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:CB | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:CD1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:CD2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:CE1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:CE2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:CG | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:CZ | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:H | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:HA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:HB2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:HB3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:HD1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:HD2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:HE1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:HE2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:HZ | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:N | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:O | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:657:SEP:C | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:657:SEP:CA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:657:SEP:CB | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:657:SEP:H | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:657:SEP:HA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:657:SEP:HB3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:657:SEP:N | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:657:SEP:O | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:657:SEP:O1P | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:657:SEP:O2P | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:657:SEP:O3P | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:657:SEP:OG | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:657:SEP:P | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:C | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:CA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:CB | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:CD1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:CD2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:CE1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:CE2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:CG | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:CZ | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:H | 16 | 0.24 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|------------------|----------|---------------|
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:HA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:HB2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:HB3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:HD1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:HD2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:HE1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:HE2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:HH | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:N | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:O | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:OH | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:659:NH2:HN1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:659:NH2:HN2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:659:NH2:N | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:648:ACE:C | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:648:ACE:CH3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:648:ACE:H1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:648:ACE:H2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:648:ACE:H3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:648:ACE:O | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:649:ASP:C | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:649:ASP:CA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:649:ASP:CB | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:649:ASP:CG | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:649:ASP:H | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:649:ASP:HA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:649:ASP:HB2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:649:ASP:HB3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:649:ASP:N | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:649:ASP:O | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:649:ASP:OD1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:649:ASP:OD2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:650:GLN:C | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:650:GLN:CA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:650:GLN:CB | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:650:GLN:CD | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:650:GLN:CG | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:650:GLN:H | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:650:GLN:HA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:650:GLN:HB2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:650:GLN:HB3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:650:GLN:HE21 | 16 | 0.24 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|------------------|----------|---------------|
| (1,37) | 1:A:250:THR:HG23 | 2:B:650:GLN:HE22 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:650:GLN:HG2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:650:GLN:HG3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:650:GLN:N | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:650:GLN:NE2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:650:GLN:O | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:650:GLN:OE1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:651:SER:C | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:651:SER:CA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:651:SER:CB | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:651:SER:H | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:651:SER:HA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:651:SER:HB2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:651:SER:HB3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:651:SER:HG | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:651:SER:N | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:651:SER:O | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:651:SER:OG | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:652:ASP:C | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:652:ASP:CA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:652:ASP:CB | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:652:ASP:CG | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:652:ASP:H | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:652:ASP:HA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:652:ASP:HB2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:652:ASP:HB3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:652:ASP:N | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:652:ASP:O | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:652:ASP:OD1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:652:ASP:OD2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:C | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:CA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:CB | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:CD1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:CD2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:CE1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:CE2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:CG | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:CZ | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:H | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:HA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:HB2 | 16 | 0.24 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:HB3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:HD1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:HD2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:HE1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:HE2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:HZ | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:N | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:O | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:654:GLU:C | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:654:GLU:CA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:654:GLU:CB | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:654:GLU:CD | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:654:GLU:CG | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:654:GLU:H | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:654:GLU:HA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:654:GLU:HB2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:654:GLU:HB3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:654:GLU:HG2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:654:GLU:HG3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:654:GLU:N | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:654:GLU:O | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:654:GLU:OE1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:654:GLU:OE2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:655:GLY:C | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:655:GLY:CA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:655:GLY:H | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:655:GLY:HA2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:655:GLY:HA3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:655:GLY:N | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:655:GLY:O | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:C | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:CA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:CB | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:CD1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:CD2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:CE1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:CE2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:CG | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:CZ | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:H | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:HA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:HB2 | 16 | 0.24 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:HB3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:HD1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:HD2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:HE1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:HE2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:HZ | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:N | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:O | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:657:SEP:C | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:657:SEP:CA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:657:SEP:CB | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:657:SEP:H | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:657:SEP:HA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:657:SEP:HB3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:657:SEP:N | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:657:SEP:O | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:657:SEP:O1P | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:657:SEP:O2P | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:657:SEP:O3P | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:657:SEP:OG | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:657:SEP:P | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:C | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:CA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:CB | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:CD1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:CD2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:CE1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:CE2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:CG | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:CZ | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:H | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:HA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:HB2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:HB3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:HD1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:HD2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:HE1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:HE2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:HH | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:N | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:O | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:OH | 16 | 0.24 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|------------------|----------|---------------|
| (1,37) | 1:A:250:THR:HG23 | 2:B:659:NH2:HN1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:659:NH2:HN2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:659:NH2:N | 16 | 0.24 |
| (1,37) | 1:A:250:THR:N | 2:B:648:ACE:C | 16 | 0.24 |
| (1,37) | 1:A:250:THR:N | 2:B:648:ACE:CH3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:N | 2:B:648:ACE:H1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:N | 2:B:648:ACE:H2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:N | 2:B:648:ACE:H3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:N | 2:B:648:ACE:O | 16 | 0.24 |
| (1,37) | 1:A:250:THR:N | 2:B:649:ASP:C | 16 | 0.24 |
| (1,37) | 1:A:250:THR:N | 2:B:649:ASP:CA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:N | 2:B:649:ASP:CB | 16 | 0.24 |
| (1,37) | 1:A:250:THR:N | 2:B:649:ASP:CG | 16 | 0.24 |
| (1,37) | 1:A:250:THR:N | 2:B:649:ASP:H | 16 | 0.24 |
| (1,37) | 1:A:250:THR:N | 2:B:649:ASP:HA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:N | 2:B:649:ASP:HB2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:N | 2:B:649:ASP:HB3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:N | 2:B:649:ASP:N | 16 | 0.24 |
| (1,37) | 1:A:250:THR:N | 2:B:649:ASP:O | 16 | 0.24 |
| (1,37) | 1:A:250:THR:N | 2:B:649:ASP:OD1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:N | 2:B:649:ASP:OD2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:N | 2:B:650:GLN:C | 16 | 0.24 |
| (1,37) | 1:A:250:THR:N | 2:B:650:GLN:CA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:N | 2:B:650:GLN:CB | 16 | 0.24 |
| (1,37) | 1:A:250:THR:N | 2:B:650:GLN:CD | 16 | 0.24 |
| (1,37) | 1:A:250:THR:N | 2:B:650:GLN:CG | 16 | 0.24 |
| (1,37) | 1:A:250:THR:N | 2:B:650:GLN:H | 16 | 0.24 |
| (1,37) | 1:A:250:THR:N | 2:B:650:GLN:HA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:N | 2:B:650:GLN:HB2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:N | 2:B:650:GLN:HB3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:N | 2:B:650:GLN:HE21 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:N | 2:B:650:GLN:HE22 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:N | 2:B:650:GLN:HG2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:N | 2:B:650:GLN:HG3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:N | 2:B:650:GLN:N | 16 | 0.24 |
| (1,37) | 1:A:250:THR:N | 2:B:650:GLN:NE2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:N | 2:B:650:GLN:O | 16 | 0.24 |
| (1,37) | 1:A:250:THR:N | 2:B:650:GLN:OE1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:N | 2:B:651:SER:C | 16 | 0.24 |
| (1,37) | 1:A:250:THR:N | 2:B:651:SER:CA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:N | 2:B:651:SER:CB | 16 | 0.24 |
| (1,37) | 1:A:250:THR:N | 2:B:651:SER:H | 16 | 0.24 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:N | 2:B:651:SER:HA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:N | 2:B:651:SER:HB2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:N | 2:B:651:SER:HB3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:N | 2:B:651:SER:HG | 16 | 0.24 |
| (1,37) | 1:A:250:THR:N | 2:B:651:SER:N | 16 | 0.24 |
| (1,37) | 1:A:250:THR:N | 2:B:651:SER:O | 16 | 0.24 |
| (1,37) | 1:A:250:THR:N | 2:B:651:SER:OG | 16 | 0.24 |
| (1,37) | 1:A:250:THR:N | 2:B:652:ASP:C | 16 | 0.24 |
| (1,37) | 1:A:250:THR:N | 2:B:652:ASP:CA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:N | 2:B:652:ASP:CB | 16 | 0.24 |
| (1,37) | 1:A:250:THR:N | 2:B:652:ASP:CG | 16 | 0.24 |
| (1,37) | 1:A:250:THR:N | 2:B:652:ASP:H | 16 | 0.24 |
| (1,37) | 1:A:250:THR:N | 2:B:652:ASP:HA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:N | 2:B:652:ASP:HB2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:N | 2:B:652:ASP:HB3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:N | 2:B:652:ASP:N | 16 | 0.24 |
| (1,37) | 1:A:250:THR:N | 2:B:652:ASP:O | 16 | 0.24 |
| (1,37) | 1:A:250:THR:N | 2:B:652:ASP:OD1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:N | 2:B:652:ASP:OD2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:C | 16 | 0.24 |
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:CA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:CB | 16 | 0.24 |
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:CD1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:CD2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:CE1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:CE2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:CG | 16 | 0.24 |
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:CZ | 16 | 0.24 |
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:H | 16 | 0.24 |
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:HA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:HB2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:HB3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:HD1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:HD2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:HE1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:HE2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:HZ | 16 | 0.24 |
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:N | 16 | 0.24 |
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:O | 16 | 0.24 |
| (1,37) | 1:A:250:THR:N | 2:B:654:GLU:C | 16 | 0.24 |
| (1,37) | 1:A:250:THR:N | 2:B:654:GLU:CA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:N | 2:B:654:GLU:CB | 16 | 0.24 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:N | 2:B:654:GLU:CD | 16 | 0.24 |
| (1,37) | 1:A:250:THR:N | 2:B:654:GLU:CG | 16 | 0.24 |
| (1,37) | 1:A:250:THR:N | 2:B:654:GLU:H | 16 | 0.24 |
| (1,37) | 1:A:250:THR:N | 2:B:654:GLU:HA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:N | 2:B:654:GLU:HB2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:N | 2:B:654:GLU:HB3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:N | 2:B:654:GLU:HG2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:N | 2:B:654:GLU:HG3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:N | 2:B:654:GLU:N | 16 | 0.24 |
| (1,37) | 1:A:250:THR:N | 2:B:654:GLU:O | 16 | 0.24 |
| (1,37) | 1:A:250:THR:N | 2:B:654:GLU:OE1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:N | 2:B:654:GLU:OE2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:N | 2:B:655:GLY:C | 16 | 0.24 |
| (1,37) | 1:A:250:THR:N | 2:B:655:GLY:CA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:N | 2:B:655:GLY:H | 16 | 0.24 |
| (1,37) | 1:A:250:THR:N | 2:B:655:GLY:HA2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:N | 2:B:655:GLY:HA3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:N | 2:B:655:GLY:N | 16 | 0.24 |
| (1,37) | 1:A:250:THR:N | 2:B:655:GLY:O | 16 | 0.24 |
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:C | 16 | 0.24 |
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:CA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:CB | 16 | 0.24 |
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:CD1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:CD2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:CE1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:CE2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:CG | 16 | 0.24 |
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:CZ | 16 | 0.24 |
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:H | 16 | 0.24 |
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:HA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:HB2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:HB3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:HD1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:HD2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:HE1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:HE2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:HZ | 16 | 0.24 |
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:N | 16 | 0.24 |
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:O | 16 | 0.24 |
| (1,37) | 1:A:250:THR:N | 2:B:657:SEP:C | 16 | 0.24 |
| (1,37) | 1:A:250:THR:N | 2:B:657:SEP:CA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:N | 2:B:657:SEP:CB | 16 | 0.24 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:N | 2:B:657:SEP:H | 16 | 0.24 |
| (1,37) | 1:A:250:THR:N | 2:B:657:SEP:HA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:N | 2:B:657:SEP:HB3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:N | 2:B:657:SEP:N | 16 | 0.24 |
| (1,37) | 1:A:250:THR:N | 2:B:657:SEP:O | 16 | 0.24 |
| (1,37) | 1:A:250:THR:N | 2:B:657:SEP:O1P | 16 | 0.24 |
| (1,37) | 1:A:250:THR:N | 2:B:657:SEP:O2P | 16 | 0.24 |
| (1,37) | 1:A:250:THR:N | 2:B:657:SEP:O3P | 16 | 0.24 |
| (1,37) | 1:A:250:THR:N | 2:B:657:SEP:OG | 16 | 0.24 |
| (1,37) | 1:A:250:THR:N | 2:B:657:SEP:P | 16 | 0.24 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:C | 16 | 0.24 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:CA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:CB | 16 | 0.24 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:CD1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:CD2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:CE1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:CE2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:CG | 16 | 0.24 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:CZ | 16 | 0.24 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:H | 16 | 0.24 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:HA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:HB2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:HB3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:HD1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:HD2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:HE1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:HE2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:HH | 16 | 0.24 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:N | 16 | 0.24 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:O | 16 | 0.24 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:OH | 16 | 0.24 |
| (1,37) | 1:A:250:THR:N | 2:B:659:NH2:HN1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:N | 2:B:659:NH2:HN2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:N | 2:B:659:NH2:N | 16 | 0.24 |
| (1,37) | 1:A:250:THR:O | 2:B:648:ACE:C | 16 | 0.24 |
| (1,37) | 1:A:250:THR:O | 2:B:648:ACE:CH3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:O | 2:B:648:ACE:H1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:O | 2:B:648:ACE:H2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:O | 2:B:648:ACE:H3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:O | 2:B:648:ACE:O | 16 | 0.24 |
| (1,37) | 1:A:250:THR:O | 2:B:649:ASP:C | 16 | 0.24 |
| (1,37) | 1:A:250:THR:O | 2:B:649:ASP:CA | 16 | 0.24 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (1,37) | 1:A:250:THR:O | 2:B:649:ASP:CB | 16 | 0.24 |
| (1,37) | 1:A:250:THR:O | 2:B:649:ASP:CG | 16 | 0.24 |
| (1,37) | 1:A:250:THR:O | 2:B:649:ASP:H | 16 | 0.24 |
| (1,37) | 1:A:250:THR:O | 2:B:649:ASP:HA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:O | 2:B:649:ASP:HB2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:O | 2:B:649:ASP:HB3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:O | 2:B:649:ASP:N | 16 | 0.24 |
| (1,37) | 1:A:250:THR:O | 2:B:649:ASP:O | 16 | 0.24 |
| (1,37) | 1:A:250:THR:O | 2:B:649:ASP:OD1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:O | 2:B:649:ASP:OD2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:O | 2:B:650:GLN:C | 16 | 0.24 |
| (1,37) | 1:A:250:THR:O | 2:B:650:GLN:CA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:O | 2:B:650:GLN:CB | 16 | 0.24 |
| (1,37) | 1:A:250:THR:O | 2:B:650:GLN:CD | 16 | 0.24 |
| (1,37) | 1:A:250:THR:O | 2:B:650:GLN:CG | 16 | 0.24 |
| (1,37) | 1:A:250:THR:O | 2:B:650:GLN:H | 16 | 0.24 |
| (1,37) | 1:A:250:THR:O | 2:B:650:GLN:HA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:O | 2:B:650:GLN:HB2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:O | 2:B:650:GLN:HB3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:O | 2:B:650:GLN:HE21 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:O | 2:B:650:GLN:HE22 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:O | 2:B:650:GLN:HG2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:O | 2:B:650:GLN:HG3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:O | 2:B:650:GLN:N | 16 | 0.24 |
| (1,37) | 1:A:250:THR:O | 2:B:650:GLN:NE2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:O | 2:B:650:GLN:O | 16 | 0.24 |
| (1,37) | 1:A:250:THR:O | 2:B:650:GLN:OE1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:O | 2:B:651:SER:C | 16 | 0.24 |
| (1,37) | 1:A:250:THR:O | 2:B:651:SER:CA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:O | 2:B:651:SER:CB | 16 | 0.24 |
| (1,37) | 1:A:250:THR:O | 2:B:651:SER:H | 16 | 0.24 |
| (1,37) | 1:A:250:THR:O | 2:B:651:SER:HA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:O | 2:B:651:SER:HB2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:O | 2:B:651:SER:HB3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:O | 2:B:651:SER:HG | 16 | 0.24 |
| (1,37) | 1:A:250:THR:O | 2:B:651:SER:N | 16 | 0.24 |
| (1,37) | 1:A:250:THR:O | 2:B:651:SER:O | 16 | 0.24 |
| (1,37) | 1:A:250:THR:O | 2:B:651:SER:OG | 16 | 0.24 |
| (1,37) | 1:A:250:THR:O | 2:B:652:ASP:C | 16 | 0.24 |
| (1,37) | 1:A:250:THR:O | 2:B:652:ASP:CA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:O | 2:B:652:ASP:CB | 16 | 0.24 |
| (1,37) | 1:A:250:THR:O | 2:B:652:ASP:CG | 16 | 0.24 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:O | 2:B:652:ASP:H | 16 | 0.24 |
| (1,37) | 1:A:250:THR:O | 2:B:652:ASP:HA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:O | 2:B:652:ASP:HB2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:O | 2:B:652:ASP:HB3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:O | 2:B:652:ASP:N | 16 | 0.24 |
| (1,37) | 1:A:250:THR:O | 2:B:652:ASP:O | 16 | 0.24 |
| (1,37) | 1:A:250:THR:O | 2:B:652:ASP:OD1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:O | 2:B:652:ASP:OD2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:C | 16 | 0.24 |
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:CA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:CB | 16 | 0.24 |
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:CD1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:CD2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:CE1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:CE2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:CG | 16 | 0.24 |
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:CZ | 16 | 0.24 |
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:H | 16 | 0.24 |
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:HA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:HB2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:HB3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:HD1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:HD2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:HE1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:HE2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:HZ | 16 | 0.24 |
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:N | 16 | 0.24 |
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:O | 16 | 0.24 |
| (1,37) | 1:A:250:THR:O | 2:B:654:GLU:C | 16 | 0.24 |
| (1,37) | 1:A:250:THR:O | 2:B:654:GLU:CA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:O | 2:B:654:GLU:CB | 16 | 0.24 |
| (1,37) | 1:A:250:THR:O | 2:B:654:GLU:CD | 16 | 0.24 |
| (1,37) | 1:A:250:THR:O | 2:B:654:GLU:CG | 16 | 0.24 |
| (1,37) | 1:A:250:THR:O | 2:B:654:GLU:H | 16 | 0.24 |
| (1,37) | 1:A:250:THR:O | 2:B:654:GLU:HA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:O | 2:B:654:GLU:HB2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:O | 2:B:654:GLU:HB3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:O | 2:B:654:GLU:HG2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:O | 2:B:654:GLU:HG3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:O | 2:B:654:GLU:N | 16 | 0.24 |
| (1,37) | 1:A:250:THR:O | 2:B:654:GLU:O | 16 | 0.24 |
| (1,37) | 1:A:250:THR:O | 2:B:654:GLU:OE1 | 16 | 0.24 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:O | 2:B:654:GLU:OE2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:O | 2:B:655:GLY:C | 16 | 0.24 |
| (1,37) | 1:A:250:THR:O | 2:B:655:GLY:CA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:O | 2:B:655:GLY:H | 16 | 0.24 |
| (1,37) | 1:A:250:THR:O | 2:B:655:GLY:HA2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:O | 2:B:655:GLY:HA3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:O | 2:B:655:GLY:N | 16 | 0.24 |
| (1,37) | 1:A:250:THR:O | 2:B:655:GLY:O | 16 | 0.24 |
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:C | 16 | 0.24 |
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:CA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:CB | 16 | 0.24 |
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:CD1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:CD2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:CE1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:CE2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:CG | 16 | 0.24 |
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:CZ | 16 | 0.24 |
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:H | 16 | 0.24 |
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:HA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:HB2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:HB3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:HD1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:HD2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:HE1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:HE2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:HZ | 16 | 0.24 |
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:N | 16 | 0.24 |
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:O | 16 | 0.24 |
| (1,37) | 1:A:250:THR:O | 2:B:657:SEP:C | 16 | 0.24 |
| (1,37) | 1:A:250:THR:O | 2:B:657:SEP:CA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:O | 2:B:657:SEP:CB | 16 | 0.24 |
| (1,37) | 1:A:250:THR:O | 2:B:657:SEP:H | 16 | 0.24 |
| (1,37) | 1:A:250:THR:O | 2:B:657:SEP:HA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:O | 2:B:657:SEP:HB3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:O | 2:B:657:SEP:N | 16 | 0.24 |
| (1,37) | 1:A:250:THR:O | 2:B:657:SEP:O | 16 | 0.24 |
| (1,37) | 1:A:250:THR:O | 2:B:657:SEP:O1P | 16 | 0.24 |
| (1,37) | 1:A:250:THR:O | 2:B:657:SEP:O2P | 16 | 0.24 |
| (1,37) | 1:A:250:THR:O | 2:B:657:SEP:O3P | 16 | 0.24 |
| (1,37) | 1:A:250:THR:O | 2:B:657:SEP:OG | 16 | 0.24 |
| (1,37) | 1:A:250:THR:O | 2:B:657:SEP:P | 16 | 0.24 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:C | 16 | 0.24 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:CA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:CB | 16 | 0.24 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:CD1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:CD2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:CE1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:CE2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:CG | 16 | 0.24 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:CZ | 16 | 0.24 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:H | 16 | 0.24 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:HA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:HB2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:HB3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:HD1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:HD2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:HE1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:HE2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:HH | 16 | 0.24 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:N | 16 | 0.24 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:O | 16 | 0.24 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:OH | 16 | 0.24 |
| (1,37) | 1:A:250:THR:O | 2:B:659:NH2:HN1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:O | 2:B:659:NH2:HN2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:O | 2:B:659:NH2:N | 16 | 0.24 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:648:ACE:C | 16 | 0.24 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:648:ACE:CH3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:648:ACE:H1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:648:ACE:H2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:648:ACE:H3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:648:ACE:O | 16 | 0.24 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:649:ASP:C | 16 | 0.24 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:649:ASP:CA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:649:ASP:CB | 16 | 0.24 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:649:ASP:CG | 16 | 0.24 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:649:ASP:H | 16 | 0.24 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:649:ASP:HA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:649:ASP:HB2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:649:ASP:HB3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:649:ASP:N | 16 | 0.24 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:649:ASP:O | 16 | 0.24 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:649:ASP:OD1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:649:ASP:OD2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:650:GLN:C | 16 | 0.24 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|------------------|----------|---------------|
| (1,37) | 1:A:250:THR:OG1 | 2:B:650:GLN:CA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:650:GLN:CB | 16 | 0.24 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:650:GLN:CD | 16 | 0.24 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:650:GLN:CG | 16 | 0.24 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:650:GLN:H | 16 | 0.24 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:650:GLN:HA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:650:GLN:HB2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:650:GLN:HB3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:650:GLN:HE21 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:650:GLN:HE22 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:650:GLN:HG2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:650:GLN:HG3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:650:GLN:N | 16 | 0.24 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:650:GLN:NE2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:650:GLN:O | 16 | 0.24 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:650:GLN:OE1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:651:SER:C | 16 | 0.24 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:651:SER:CA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:651:SER:CB | 16 | 0.24 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:651:SER:H | 16 | 0.24 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:651:SER:HA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:651:SER:HB2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:651:SER:HB3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:651:SER:HG | 16 | 0.24 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:651:SER:N | 16 | 0.24 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:651:SER:O | 16 | 0.24 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:651:SER:OG | 16 | 0.24 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:652:ASP:C | 16 | 0.24 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:652:ASP:CA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:652:ASP:CB | 16 | 0.24 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:652:ASP:CG | 16 | 0.24 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:652:ASP:H | 16 | 0.24 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:652:ASP:HA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:652:ASP:HB2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:652:ASP:HB3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:652:ASP:N | 16 | 0.24 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:652:ASP:O | 16 | 0.24 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:652:ASP:OD1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:652:ASP:OD2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:C | 16 | 0.24 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:CA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:CB | 16 | 0.24 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:CD1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:CD2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:CE1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:CE2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:CG | 16 | 0.24 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:CZ | 16 | 0.24 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:H | 16 | 0.24 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:HA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:HB2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:HB3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:HD1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:HD2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:HE1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:HE2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:HZ | 16 | 0.24 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:N | 16 | 0.24 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:O | 16 | 0.24 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:654:GLU:C | 16 | 0.24 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:654:GLU:CA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:654:GLU:CB | 16 | 0.24 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:654:GLU:CD | 16 | 0.24 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:654:GLU:CG | 16 | 0.24 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:654:GLU:H | 16 | 0.24 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:654:GLU:HA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:654:GLU:HB2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:654:GLU:HB3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:654:GLU:HG2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:654:GLU:HG3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:654:GLU:N | 16 | 0.24 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:654:GLU:O | 16 | 0.24 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:654:GLU:OE1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:654:GLU:OE2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:655:GLY:C | 16 | 0.24 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:655:GLY:CA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:655:GLY:H | 16 | 0.24 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:655:GLY:HA2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:655:GLY:HA3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:655:GLY:N | 16 | 0.24 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:655:GLY:O | 16 | 0.24 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:C | 16 | 0.24 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:CA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:CB | 16 | 0.24 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:CD1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:CD2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:CE1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:CE2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:CG | 16 | 0.24 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:CZ | 16 | 0.24 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:H | 16 | 0.24 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:HA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:HB2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:HB3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:HD1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:HD2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:HE1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:HE2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:HZ | 16 | 0.24 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:N | 16 | 0.24 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:O | 16 | 0.24 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:657:SEP:C | 16 | 0.24 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:657:SEP:CA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:657:SEP:CB | 16 | 0.24 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:657:SEP:H | 16 | 0.24 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:657:SEP:HA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:657:SEP:HB3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:657:SEP:N | 16 | 0.24 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:657:SEP:O | 16 | 0.24 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:657:SEP:O1P | 16 | 0.24 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:657:SEP:O2P | 16 | 0.24 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:657:SEP:O3P | 16 | 0.24 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:657:SEP:OG | 16 | 0.24 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:657:SEP:P | 16 | 0.24 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:C | 16 | 0.24 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:CA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:CB | 16 | 0.24 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:CD1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:CD2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:CE1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:CE2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:CG | 16 | 0.24 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:CZ | 16 | 0.24 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:H | 16 | 0.24 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:HA | 16 | 0.24 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:HB2 | 16 | 0.24 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|------------------|----------|---------------|
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:HB3 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:HD1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:HD2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:HE1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:HE2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:HH | 16 | 0.24 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:N | 16 | 0.24 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:O | 16 | 0.24 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:OH | 16 | 0.24 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:659:NH2:HN1 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:659:NH2:HN2 | 16 | 0.24 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:659:NH2:N | 16 | 0.24 |
| (1,33) | 1:A:251:THR:C | 2:B:648:ACE:C | 10 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:648:ACE:CH3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:648:ACE:H1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:648:ACE:H2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:648:ACE:H3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:648:ACE:O | 10 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:649:ASP:C | 10 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:649:ASP:CA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:649:ASP:CB | 10 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:649:ASP:CG | 10 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:649:ASP:H | 10 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:649:ASP:HA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:649:ASP:HB2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:649:ASP:HB3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:649:ASP:N | 10 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:649:ASP:O | 10 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:649:ASP:OD1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:649:ASP:OD2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:650:GLN:C | 10 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:650:GLN:CA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:650:GLN:CB | 10 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:650:GLN:CD | 10 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:650:GLN:CG | 10 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:650:GLN:H | 10 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:650:GLN:HA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:650:GLN:HB2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:650:GLN:HB3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:650:GLN:HE21 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:650:GLN:HE22 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:650:GLN:HG2 | 10 | 0.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,33) | 1:A:251:THR:C | 2:B:650:GLN:HG3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:650:GLN:N | 10 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:650:GLN:NE2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:650:GLN:O | 10 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:650:GLN:OE1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:651:SER:C | 10 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:651:SER:CA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:651:SER:CB | 10 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:651:SER:H | 10 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:651:SER:HA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:651:SER:HB2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:651:SER:HB3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:651:SER:HG | 10 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:651:SER:N | 10 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:651:SER:O | 10 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:651:SER:OG | 10 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:652:ASP:C | 10 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:652:ASP:CA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:652:ASP:CB | 10 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:652:ASP:CG | 10 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:652:ASP:H | 10 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:652:ASP:HA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:652:ASP:HB2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:652:ASP:HB3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:652:ASP:N | 10 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:652:ASP:O | 10 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:652:ASP:OD1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:652:ASP:OD2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:653:PHE:C | 10 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:653:PHE:CA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:653:PHE:CB | 10 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:653:PHE:CD1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:653:PHE:CD2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:653:PHE:CE1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:653:PHE:CE2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:653:PHE:CG | 10 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:653:PHE:CZ | 10 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:653:PHE:H | 10 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:653:PHE:HA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:653:PHE:HB2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:653:PHE:HB3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:653:PHE:HD1 | 10 | 0.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,33) | 1:A:251:THR:C | 2:B:653:PHE:HD2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:653:PHE:HE1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:653:PHE:HE2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:653:PHE:HZ | 10 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:653:PHE:N | 10 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:653:PHE:O | 10 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:654:GLU:C | 10 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:654:GLU:CA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:654:GLU:CB | 10 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:654:GLU:CD | 10 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:654:GLU:CG | 10 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:654:GLU:H | 10 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:654:GLU:HA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:654:GLU:HB2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:654:GLU:HB3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:654:GLU:HG2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:654:GLU:HG3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:654:GLU:N | 10 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:654:GLU:O | 10 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:654:GLU:OE1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:654:GLU:OE2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:655:GLY:C | 10 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:655:GLY:CA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:655:GLY:H | 10 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:655:GLY:HA2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:655:GLY:HA3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:655:GLY:N | 10 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:655:GLY:O | 10 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:656:PHE:C | 10 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:656:PHE:CA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:656:PHE:CB | 10 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:656:PHE:CD1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:656:PHE:CD2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:656:PHE:CE1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:656:PHE:CE2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:656:PHE:CG | 10 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:656:PHE:CZ | 10 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:656:PHE:H | 10 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:656:PHE:HA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:656:PHE:HB2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:656:PHE:HB3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:656:PHE:HD1 | 10 | 0.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,33) | 1:A:251:THR:C | 2:B:656:PHE:HD2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:656:PHE:HE1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:656:PHE:HE2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:656:PHE:HZ | 10 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:656:PHE:N | 10 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:656:PHE:O | 10 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:657:SEP:C | 10 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:657:SEP:CA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:657:SEP:CB | 10 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:657:SEP:H | 10 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:657:SEP:HA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:657:SEP:HB3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:657:SEP:N | 10 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:657:SEP:O | 10 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:657:SEP:O1P | 10 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:657:SEP:O2P | 10 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:657:SEP:O3P | 10 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:657:SEP:OG | 10 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:657:SEP:P | 10 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:658:TYR:C | 10 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:658:TYR:CA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:658:TYR:CB | 10 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:658:TYR:CD1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:658:TYR:CD2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:658:TYR:CE1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:658:TYR:CE2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:658:TYR:CG | 10 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:658:TYR:CZ | 10 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:658:TYR:H | 10 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:658:TYR:HA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:658:TYR:HB2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:658:TYR:HB3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:658:TYR:HD1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:658:TYR:HD2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:658:TYR:HE1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:658:TYR:HE2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:658:TYR:HH | 10 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:658:TYR:N | 10 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:658:TYR:O | 10 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:658:TYR:OH | 10 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:659:NH2:HN1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:659:NH2:HN2 | 10 | 0.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (1,33) | 1:A:251:THR:C | 2:B:659:NH2:N | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:648:ACE:C | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:648:ACE:CH3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:648:ACE:H1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:648:ACE:H2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:648:ACE:H3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:648:ACE:O | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:649:ASP:C | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:649:ASP:CA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:649:ASP:CB | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:649:ASP:CG | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:649:ASP:H | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:649:ASP:HA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:649:ASP:HB2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:649:ASP:HB3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:649:ASP:N | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:649:ASP:O | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:649:ASP:OD1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:649:ASP:OD2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:650:GLN:C | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:650:GLN:CA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:650:GLN:CB | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:650:GLN:CD | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:650:GLN:CG | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:650:GLN:H | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:650:GLN:HA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:650:GLN:HB2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:650:GLN:HB3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:650:GLN:HE21 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:650:GLN:HE22 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:650:GLN:HG2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:650:GLN:HG3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:650:GLN:N | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:650:GLN:NE2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:650:GLN:O | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:650:GLN:OE1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:651:SER:C | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:651:SER:CA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:651:SER:CB | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:651:SER:H | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:651:SER:HA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:651:SER:HB2 | 10 | 0.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,33) | 1:A:251:THR:CA | 2:B:651:SER:HB3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:651:SER:HG | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:651:SER:N | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:651:SER:O | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:651:SER:OG | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:652:ASP:C | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:652:ASP:CA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:652:ASP:CB | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:652:ASP:CG | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:652:ASP:H | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:652:ASP:HA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:652:ASP:HB2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:652:ASP:HB3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:652:ASP:N | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:652:ASP:O | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:652:ASP:OD1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:652:ASP:OD2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:653:PHE:C | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:653:PHE:CA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:653:PHE:CB | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:653:PHE:CD1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:653:PHE:CD2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:653:PHE:CE1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:653:PHE:CE2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:653:PHE:CG | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:653:PHE:CZ | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:653:PHE:H | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:653:PHE:HA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:653:PHE:HB2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:653:PHE:HB3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:653:PHE:HD1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:653:PHE:HD2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:653:PHE:HE1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:653:PHE:HE2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:653:PHE:HZ | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:653:PHE:N | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:653:PHE:O | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:654:GLU:C | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:654:GLU:CA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:654:GLU:CB | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:654:GLU:CD | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:654:GLU:CG | 10 | 0.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,33) | 1:A:251:THR:CA | 2:B:654:GLU:H | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:654:GLU:HA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:654:GLU:HB2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:654:GLU:HB3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:654:GLU:HG2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:654:GLU:HG3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:654:GLU:N | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:654:GLU:O | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:654:GLU:OE1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:654:GLU:OE2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:655:GLY:C | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:655:GLY:CA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:655:GLY:H | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:655:GLY:HA2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:655:GLY:HA3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:655:GLY:N | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:655:GLY:O | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:656:PHE:C | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:656:PHE:CA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:656:PHE:CB | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:656:PHE:CD1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:656:PHE:CD2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:656:PHE:CE1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:656:PHE:CE2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:656:PHE:CG | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:656:PHE:CZ | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:656:PHE:H | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:656:PHE:HA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:656:PHE:HB2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:656:PHE:HB3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:656:PHE:HD1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:656:PHE:HD2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:656:PHE:HE1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:656:PHE:HE2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:656:PHE:HZ | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:656:PHE:N | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:656:PHE:O | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:657:SEP:C | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:657:SEP:CA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:657:SEP:CB | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:657:SEP:H | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:657:SEP:HA | 10 | 0.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,33) | 1:A:251:THR:CA | 2:B:657:SEP:HB3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:657:SEP:N | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:657:SEP:O | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:657:SEP:O1P | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:657:SEP:O2P | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:657:SEP:O3P | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:657:SEP:OG | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:657:SEP:P | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:658:TYR:C | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:658:TYR:CA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:658:TYR:CB | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:658:TYR:CD1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:658:TYR:CD2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:658:TYR:CE1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:658:TYR:CE2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:658:TYR:CG | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:658:TYR:CZ | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:658:TYR:H | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:658:TYR:HA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:658:TYR:HB2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:658:TYR:HB3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:658:TYR:HD1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:658:TYR:HD2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:658:TYR:HE1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:658:TYR:HE2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:658:TYR:HH | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:658:TYR:N | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:658:TYR:O | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:658:TYR:OH | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:659:NH2:HN1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:659:NH2:HN2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:659:NH2:N | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:648:ACE:C | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:648:ACE:CH3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:648:ACE:H1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:648:ACE:H2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:648:ACE:H3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:648:ACE:O | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:649:ASP:C | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:649:ASP:CA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:649:ASP:CB | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:649:ASP:CG | 10 | 0.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (1,33) | 1:A:251:THR:CB | 2:B:649:ASP:H | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:649:ASP:HA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:649:ASP:HB2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:649:ASP:HB3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:649:ASP:N | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:649:ASP:O | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:649:ASP:OD1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:649:ASP:OD2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:650:GLN:C | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:650:GLN:CA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:650:GLN:CB | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:650:GLN:CD | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:650:GLN:CG | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:650:GLN:H | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:650:GLN:HA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:650:GLN:HB2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:650:GLN:HB3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:650:GLN:HE21 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:650:GLN:HE22 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:650:GLN:HG2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:650:GLN:HG3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:650:GLN:N | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:650:GLN:NE2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:650:GLN:O | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:650:GLN:OE1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:651:SER:C | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:651:SER:CA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:651:SER:CB | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:651:SER:H | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:651:SER:HA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:651:SER:HB2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:651:SER:HB3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:651:SER:HG | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:651:SER:N | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:651:SER:O | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:651:SER:OG | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:652:ASP:C | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:652:ASP:CA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:652:ASP:CB | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:652:ASP:CG | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:652:ASP:H | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:652:ASP:HA | 10 | 0.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,33) | 1:A:251:THR:CB | 2:B:652:ASP:HB2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:652:ASP:HB3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:652:ASP:N | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:652:ASP:O | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:652:ASP:OD1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:652:ASP:OD2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:653:PHE:C | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:653:PHE:CA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:653:PHE:CB | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:653:PHE:CD1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:653:PHE:CD2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:653:PHE:CE1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:653:PHE:CE2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:653:PHE:CG | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:653:PHE:CZ | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:653:PHE:H | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:653:PHE:HA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:653:PHE:HB2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:653:PHE:HB3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:653:PHE:HD1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:653:PHE:HD2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:653:PHE:HE1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:653:PHE:HE2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:653:PHE:HZ | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:653:PHE:N | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:653:PHE:O | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:654:GLU:C | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:654:GLU:CA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:654:GLU:CB | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:654:GLU:CD | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:654:GLU:CG | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:654:GLU:H | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:654:GLU:HA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:654:GLU:HB2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:654:GLU:HB3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:654:GLU:HG2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:654:GLU:HG3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:654:GLU:N | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:654:GLU:O | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:654:GLU:OE1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:654:GLU:OE2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:655:GLY:C | 10 | 0.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,33) | 1:A:251:THR:CB | 2:B:655:GLY:CA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:655:GLY:H | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:655:GLY:HA2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:655:GLY:HA3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:655:GLY:N | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:655:GLY:O | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:656:PHE:C | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:656:PHE:CA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:656:PHE:CB | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:656:PHE:CD1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:656:PHE:CD2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:656:PHE:CE1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:656:PHE:CE2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:656:PHE:CG | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:656:PHE:CZ | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:656:PHE:H | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:656:PHE:HA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:656:PHE:HB2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:656:PHE:HB3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:656:PHE:HD1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:656:PHE:HD2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:656:PHE:HE1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:656:PHE:HE2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:656:PHE:HZ | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:656:PHE:N | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:656:PHE:O | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:657:SEP:C | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:657:SEP:CA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:657:SEP:CB | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:657:SEP:H | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:657:SEP:HA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:657:SEP:HB3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:657:SEP:N | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:657:SEP:O | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:657:SEP:O1P | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:657:SEP:O2P | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:657:SEP:O3P | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:657:SEP:OG | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:657:SEP:P | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:658:TYR:C | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:658:TYR:CA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:658:TYR:CB | 10 | 0.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,33) | 1:A:251:THR:CB | 2:B:658:TYR:CD1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:658:TYR:CD2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:658:TYR:CE1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:658:TYR:CE2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:658:TYR:CG | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:658:TYR:CZ | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:658:TYR:H | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:658:TYR:HA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:658:TYR:HB2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:658:TYR:HB3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:658:TYR:HD1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:658:TYR:HD2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:658:TYR:HE1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:658:TYR:HE2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:658:TYR:HH | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:658:TYR:N | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:658:TYR:O | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:658:TYR:OH | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:659:NH2:HN1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:659:NH2:HN2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:659:NH2:N | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:648:ACE:C | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:648:ACE:CH3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:648:ACE:H1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:648:ACE:H2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:648:ACE:H3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:648:ACE:O | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:649:ASP:C | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:649:ASP:CA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:649:ASP:CB | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:649:ASP:CG | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:649:ASP:H | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:649:ASP:HA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:649:ASP:HB2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:649:ASP:HB3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:649:ASP:N | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:649:ASP:O | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:649:ASP:OD1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:649:ASP:OD2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:650:GLN:C | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:650:GLN:CA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:650:GLN:CB | 10 | 0.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|------------------|----------|---------------|
| (1,33) | 1:A:251:THR:CG2 | 2:B:650:GLN:CD | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:650:GLN:CG | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:650:GLN:H | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:650:GLN:HA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:650:GLN:HB2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:650:GLN:HB3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:650:GLN:HE21 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:650:GLN:HE22 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:650:GLN:HG2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:650:GLN:HG3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:650:GLN:N | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:650:GLN:NE2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:650:GLN:O | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:650:GLN:OE1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:651:SER:C | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:651:SER:CA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:651:SER:CB | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:651:SER:H | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:651:SER:HA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:651:SER:HB2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:651:SER:HB3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:651:SER:HG | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:651:SER:N | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:651:SER:O | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:651:SER:OG | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:652:ASP:C | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:652:ASP:CA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:652:ASP:CB | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:652:ASP:CG | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:652:ASP:H | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:652:ASP:HA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:652:ASP:HB2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:652:ASP:HB3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:652:ASP:N | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:652:ASP:O | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:652:ASP:OD1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:652:ASP:OD2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:653:PHE:C | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:653:PHE:CA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:653:PHE:CB | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:653:PHE:CD1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:653:PHE:CD2 | 10 | 0.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,33) | 1:A:251:THR:CG2 | 2:B:653:PHE:CE1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:653:PHE:CE2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:653:PHE:CG | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:653:PHE:CZ | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:653:PHE:H | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:653:PHE:HA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:653:PHE:HB2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:653:PHE:HB3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:653:PHE:HD1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:653:PHE:HD2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:653:PHE:HE1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:653:PHE:HE2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:653:PHE:HZ | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:653:PHE:N | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:653:PHE:O | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:654:GLU:C | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:654:GLU:CA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:654:GLU:CB | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:654:GLU:CD | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:654:GLU:CG | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:654:GLU:H | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:654:GLU:HA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:654:GLU:HB2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:654:GLU:HB3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:654:GLU:HG2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:654:GLU:HG3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:654:GLU:N | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:654:GLU:O | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:654:GLU:OE1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:654:GLU:OE2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:655:GLY:C | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:655:GLY:CA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:655:GLY:H | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:655:GLY:HA2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:655:GLY:HA3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:655:GLY:N | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:655:GLY:O | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:656:PHE:C | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:656:PHE:CA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:656:PHE:CB | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:656:PHE:CD1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:656:PHE:CD2 | 10 | 0.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,33) | 1:A:251:THR:CG2 | 2:B:656:PHE:CE1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:656:PHE:CE2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:656:PHE:CG | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:656:PHE:CZ | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:656:PHE:H | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:656:PHE:HA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:656:PHE:HB2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:656:PHE:HB3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:656:PHE:HD1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:656:PHE:HD2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:656:PHE:HE1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:656:PHE:HE2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:656:PHE:HZ | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:656:PHE:N | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:656:PHE:O | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:657:SEP:C | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:657:SEP:CA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:657:SEP:CB | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:657:SEP:H | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:657:SEP:HA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:657:SEP:HB3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:657:SEP:N | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:657:SEP:O | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:657:SEP:O1P | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:657:SEP:O2P | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:657:SEP:O3P | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:657:SEP:OG | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:657:SEP:P | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:658:TYR:C | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:658:TYR:CA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:658:TYR:CB | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:658:TYR:CD1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:658:TYR:CD2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:658:TYR:CE1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:658:TYR:CE2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:658:TYR:CG | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:658:TYR:CZ | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:658:TYR:H | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:658:TYR:HA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:658:TYR:HB2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:658:TYR:HB3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:658:TYR:HD1 | 10 | 0.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|------------------|----------|---------------|
| (1,33) | 1:A:251:THR:CG2 | 2:B:658:TYR:HD2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:658:TYR:HE1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:658:TYR:HE2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:658:TYR:HH | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:658:TYR:N | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:658:TYR:O | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:658:TYR:OH | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:659:NH2:HN1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:659:NH2:HN2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:659:NH2:N | 10 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:648:ACE:C | 10 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:648:ACE:CH3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:648:ACE:H1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:648:ACE:H2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:648:ACE:H3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:648:ACE:O | 10 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:649:ASP:C | 10 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:649:ASP:CA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:649:ASP:CB | 10 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:649:ASP:CG | 10 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:649:ASP:H | 10 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:649:ASP:HA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:649:ASP:HB2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:649:ASP:HB3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:649:ASP:N | 10 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:649:ASP:O | 10 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:649:ASP:OD1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:649:ASP:OD2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:650:GLN:C | 10 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:650:GLN:CA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:650:GLN:CB | 10 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:650:GLN:CD | 10 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:650:GLN:CG | 10 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:650:GLN:H | 10 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:650:GLN:HA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:650:GLN:HB2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:650:GLN:HB3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:650:GLN:HE21 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:650:GLN:HE22 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:650:GLN:HG2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:650:GLN:HG3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:650:GLN:N | 10 | 0.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,33) | 1:A:251:THR:H | 2:B:650:GLN:NE2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:650:GLN:O | 10 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:650:GLN:OE1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:651:SER:C | 10 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:651:SER:CA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:651:SER:CB | 10 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:651:SER:H | 10 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:651:SER:HA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:651:SER:HB2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:651:SER:HB3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:651:SER:HG | 10 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:651:SER:N | 10 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:651:SER:O | 10 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:651:SER:OG | 10 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:652:ASP:C | 10 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:652:ASP:CA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:652:ASP:CB | 10 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:652:ASP:CG | 10 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:652:ASP:H | 10 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:652:ASP:HA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:652:ASP:HB2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:652:ASP:HB3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:652:ASP:N | 10 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:652:ASP:O | 10 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:652:ASP:OD1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:652:ASP:OD2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:653:PHE:C | 10 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:653:PHE:CA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:653:PHE:CB | 10 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:653:PHE:CD1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:653:PHE:CD2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:653:PHE:CE1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:653:PHE:CE2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:653:PHE:CG | 10 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:653:PHE:CZ | 10 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:653:PHE:H | 10 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:653:PHE:HA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:653:PHE:HB2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:653:PHE:HB3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:653:PHE:HD1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:653:PHE:HD2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:653:PHE:HE1 | 10 | 0.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,33) | 1:A:251:THR:H | 2:B:653:PHE:HE2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:653:PHE:HZ | 10 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:653:PHE:N | 10 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:653:PHE:O | 10 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:654:GLU:C | 10 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:654:GLU:CA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:654:GLU:CB | 10 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:654:GLU:CD | 10 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:654:GLU:CG | 10 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:654:GLU:H | 10 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:654:GLU:HA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:654:GLU:HB2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:654:GLU:HB3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:654:GLU:HG2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:654:GLU:HG3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:654:GLU:N | 10 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:654:GLU:O | 10 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:654:GLU:OE1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:654:GLU:OE2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:655:GLY:C | 10 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:655:GLY:CA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:655:GLY:H | 10 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:655:GLY:HA2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:655:GLY:HA3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:655:GLY:N | 10 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:655:GLY:O | 10 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:656:PHE:C | 10 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:656:PHE:CA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:656:PHE:CB | 10 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:656:PHE:CD1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:656:PHE:CD2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:656:PHE:CE1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:656:PHE:CE2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:656:PHE:CG | 10 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:656:PHE:CZ | 10 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:656:PHE:H | 10 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:656:PHE:HA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:656:PHE:HB2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:656:PHE:HB3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:656:PHE:HD1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:656:PHE:HD2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:656:PHE:HE1 | 10 | 0.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,33) | 1:A:251:THR:H | 2:B:656:PHE:HE2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:656:PHE:HZ | 10 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:656:PHE:N | 10 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:656:PHE:O | 10 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:657:SEP:C | 10 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:657:SEP:CA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:657:SEP:CB | 10 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:657:SEP:H | 10 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:657:SEP:HA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:657:SEP:HB3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:657:SEP:N | 10 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:657:SEP:O | 10 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:657:SEP:O1P | 10 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:657:SEP:O2P | 10 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:657:SEP:O3P | 10 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:657:SEP:OG | 10 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:657:SEP:P | 10 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:658:TYR:C | 10 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:658:TYR:CA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:658:TYR:CB | 10 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:658:TYR:CD1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:658:TYR:CD2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:658:TYR:CE1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:658:TYR:CE2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:658:TYR:CG | 10 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:658:TYR:CZ | 10 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:658:TYR:H | 10 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:658:TYR:HA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:658:TYR:HB2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:658:TYR:HB3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:658:TYR:HD1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:658:TYR:HD2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:658:TYR:HE1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:658:TYR:HE2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:658:TYR:HH | 10 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:658:TYR:N | 10 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:658:TYR:O | 10 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:658:TYR:OH | 10 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:659:NH2:HN1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:659:NH2:HN2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:659:NH2:N | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:648:ACE:C | 10 | 0.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (1,33) | 1:A:251:THR:HA | 2:B:648:ACE:CH3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:648:ACE:H1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:648:ACE:H2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:648:ACE:H3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:648:ACE:O | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:649:ASP:C | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:649:ASP:CA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:649:ASP:CB | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:649:ASP:CG | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:649:ASP:H | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:649:ASP:HA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:649:ASP:HB2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:649:ASP:HB3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:649:ASP:N | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:649:ASP:O | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:649:ASP:OD1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:649:ASP:OD2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:650:GLN:C | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:650:GLN:CA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:650:GLN:CB | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:650:GLN:CD | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:650:GLN:CG | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:650:GLN:H | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:650:GLN:HA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:650:GLN:HB2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:650:GLN:HB3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:650:GLN:HE21 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:650:GLN:HE22 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:650:GLN:HG2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:650:GLN:HG3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:650:GLN:N | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:650:GLN:NE2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:650:GLN:O | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:650:GLN:OE1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:651:SER:C | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:651:SER:CA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:651:SER:CB | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:651:SER:H | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:651:SER:HA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:651:SER:HB2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:651:SER:HB3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:651:SER:HG | 10 | 0.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,33) | 1:A:251:THR:HA | 2:B:651:SER:N | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:651:SER:O | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:651:SER:OG | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:652:ASP:C | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:652:ASP:CA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:652:ASP:CB | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:652:ASP:CG | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:652:ASP:H | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:652:ASP:HA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:652:ASP:HB2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:652:ASP:HB3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:652:ASP:N | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:652:ASP:O | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:652:ASP:OD1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:652:ASP:OD2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:653:PHE:C | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:653:PHE:CA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:653:PHE:CB | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:653:PHE:CD1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:653:PHE:CD2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:653:PHE:CE1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:653:PHE:CE2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:653:PHE:CG | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:653:PHE:CZ | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:653:PHE:H | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:653:PHE:HA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:653:PHE:HB2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:653:PHE:HB3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:653:PHE:HD1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:653:PHE:HD2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:653:PHE:HE1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:653:PHE:HE2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:653:PHE:HZ | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:653:PHE:N | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:653:PHE:O | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:654:GLU:C | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:654:GLU:CA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:654:GLU:CB | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:654:GLU:CD | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:654:GLU:CG | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:654:GLU:H | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:654:GLU:HA | 10 | 0.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,33) | 1:A:251:THR:HA | 2:B:654:GLU:HB2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:654:GLU:HB3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:654:GLU:HG2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:654:GLU:HG3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:654:GLU:N | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:654:GLU:O | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:654:GLU:OE1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:654:GLU:OE2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:655:GLY:C | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:655:GLY:CA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:655:GLY:H | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:655:GLY:HA2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:655:GLY:HA3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:655:GLY:N | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:655:GLY:O | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:656:PHE:C | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:656:PHE:CA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:656:PHE:CB | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:656:PHE:CD1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:656:PHE:CD2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:656:PHE:CE1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:656:PHE:CE2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:656:PHE:CG | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:656:PHE:CZ | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:656:PHE:H | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:656:PHE:HA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:656:PHE:HB2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:656:PHE:HB3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:656:PHE:HD1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:656:PHE:HD2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:656:PHE:HE1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:656:PHE:HE2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:656:PHE:HZ | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:656:PHE:N | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:656:PHE:O | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:657:SEP:C | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:657:SEP:CA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:657:SEP:CB | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:657:SEP:H | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:657:SEP:HA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:657:SEP:HB3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:657:SEP:N | 10 | 0.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,33) | 1:A:251:THR:HA | 2:B:657:SEP:O | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:657:SEP:O1P | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:657:SEP:O2P | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:657:SEP:O3P | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:657:SEP:OG | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:657:SEP:P | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:658:TYR:C | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:658:TYR:CA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:658:TYR:CB | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:658:TYR:CD1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:658:TYR:CD2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:658:TYR:CE1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:658:TYR:CE2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:658:TYR:CG | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:658:TYR:CZ | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:658:TYR:H | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:658:TYR:HA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:658:TYR:HB2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:658:TYR:HB3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:658:TYR:HD1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:658:TYR:HD2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:658:TYR:HE1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:658:TYR:HE2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:658:TYR:HH | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:658:TYR:N | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:658:TYR:O | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:658:TYR:OH | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:659:NH2:HN1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:659:NH2:HN2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:659:NH2:N | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:648:ACE:C | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:648:ACE:CH3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:648:ACE:H1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:648:ACE:H2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:648:ACE:H3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:648:ACE:O | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:649:ASP:C | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:649:ASP:CA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:649:ASP:CB | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:649:ASP:CG | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:649:ASP:H | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:649:ASP:HA | 10 | 0.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (1,33) | 1:A:251:THR:HB | 2:B:649:ASP:HB2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:649:ASP:HB3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:649:ASP:N | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:649:ASP:O | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:649:ASP:OD1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:649:ASP:OD2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:650:GLN:C | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:650:GLN:CA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:650:GLN:CB | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:650:GLN:CD | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:650:GLN:CG | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:650:GLN:H | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:650:GLN:HA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:650:GLN:HB2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:650:GLN:HB3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:650:GLN:HE21 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:650:GLN:HE22 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:650:GLN:HG2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:650:GLN:HG3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:650:GLN:N | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:650:GLN:NE2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:650:GLN:O | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:650:GLN:OE1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:651:SER:C | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:651:SER:CA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:651:SER:CB | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:651:SER:H | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:651:SER:HA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:651:SER:HB2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:651:SER:HB3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:651:SER:HG | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:651:SER:N | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:651:SER:O | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:651:SER:OG | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:652:ASP:C | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:652:ASP:CA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:652:ASP:CB | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:652:ASP:CG | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:652:ASP:H | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:652:ASP:HA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:652:ASP:HB2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:652:ASP:HB3 | 10 | 0.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,33) | 1:A:251:THR:HB | 2:B:652:ASP:N | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:652:ASP:O | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:652:ASP:OD1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:652:ASP:OD2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:653:PHE:C | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:653:PHE:CA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:653:PHE:CB | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:653:PHE:CD1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:653:PHE:CD2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:653:PHE:CE1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:653:PHE:CE2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:653:PHE:CG | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:653:PHE:CZ | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:653:PHE:H | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:653:PHE:HA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:653:PHE:HB2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:653:PHE:HB3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:653:PHE:HD1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:653:PHE:HD2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:653:PHE:HE1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:653:PHE:HE2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:653:PHE:HZ | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:653:PHE:N | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:653:PHE:O | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:654:GLU:C | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:654:GLU:CA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:654:GLU:CB | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:654:GLU:CD | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:654:GLU:CG | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:654:GLU:H | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:654:GLU:HA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:654:GLU:HB2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:654:GLU:HB3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:654:GLU:HG2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:654:GLU:HG3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:654:GLU:N | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:654:GLU:O | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:654:GLU:OE1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:654:GLU:OE2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:655:GLY:C | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:655:GLY:CA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:655:GLY:H | 10 | 0.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,33) | 1:A:251:THR:HB | 2:B:655:GLY:HA2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:655:GLY:HA3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:655:GLY:N | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:655:GLY:O | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:656:PHE:C | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:656:PHE:CA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:656:PHE:CB | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:656:PHE:CD1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:656:PHE:CD2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:656:PHE:CE1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:656:PHE:CE2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:656:PHE:CG | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:656:PHE:CZ | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:656:PHE:H | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:656:PHE:HA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:656:PHE:HB2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:656:PHE:HB3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:656:PHE:HD1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:656:PHE:HD2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:656:PHE:HE1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:656:PHE:HE2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:656:PHE:HZ | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:656:PHE:N | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:656:PHE:O | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:657:SEP:C | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:657:SEP:CA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:657:SEP:CB | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:657:SEP:H | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:657:SEP:HA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:657:SEP:HB3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:657:SEP:N | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:657:SEP:O | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:657:SEP:O1P | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:657:SEP:O2P | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:657:SEP:O3P | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:657:SEP:OG | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:657:SEP:P | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:658:TYR:C | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:658:TYR:CA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:658:TYR:CB | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:658:TYR:CD1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:658:TYR:CD2 | 10 | 0.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,33) | 1:A:251:THR:HB | 2:B:658:TYR:CE1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:658:TYR:CE2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:658:TYR:CG | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:658:TYR:CZ | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:658:TYR:H | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:658:TYR:HA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:658:TYR:HB2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:658:TYR:HB3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:658:TYR:HD1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:658:TYR:HD2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:658:TYR:HE1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:658:TYR:HE2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:658:TYR:HH | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:658:TYR:N | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:658:TYR:O | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:658:TYR:OH | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:659:NH2:HN1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:659:NH2:HN2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:659:NH2:N | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:648:ACE:C | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:648:ACE:CH3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:648:ACE:H1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:648:ACE:H2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:648:ACE:H3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:648:ACE:O | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:649:ASP:C | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:649:ASP:CA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:649:ASP:CB | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:649:ASP:CG | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:649:ASP:H | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:649:ASP:HA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:649:ASP:HB2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:649:ASP:HB3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:649:ASP:N | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:649:ASP:O | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:649:ASP:OD1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:649:ASP:OD2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:650:GLN:C | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:650:GLN:CA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:650:GLN:CB | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:650:GLN:CD | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:650:GLN:CG | 10 | 0.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|------------------|----------|---------------|
| (1,33) | 1:A:251:THR:HG1 | 2:B:650:GLN:H | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:650:GLN:HA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:650:GLN:HB2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:650:GLN:HB3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:650:GLN:HE21 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:650:GLN:HE22 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:650:GLN:HG2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:650:GLN:HG3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:650:GLN:N | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:650:GLN:NE2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:650:GLN:O | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:650:GLN:OE1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:651:SER:C | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:651:SER:CA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:651:SER:CB | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:651:SER:H | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:651:SER:HA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:651:SER:HB2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:651:SER:HB3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:651:SER:HG | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:651:SER:N | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:651:SER:O | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:651:SER:OG | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:652:ASP:C | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:652:ASP:CA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:652:ASP:CB | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:652:ASP:CG | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:652:ASP:H | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:652:ASP:HA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:652:ASP:HB2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:652:ASP:HB3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:652:ASP:N | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:652:ASP:O | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:652:ASP:OD1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:652:ASP:OD2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:653:PHE:C | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:653:PHE:CA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:653:PHE:CB | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:653:PHE:CD1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:653:PHE:CD2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:653:PHE:CE1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:653:PHE:CE2 | 10 | 0.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,33) | 1:A:251:THR:HG1 | 2:B:653:PHE:CG | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:653:PHE:CZ | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:653:PHE:H | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:653:PHE:HA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:653:PHE:HB2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:653:PHE:HB3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:653:PHE:HD1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:653:PHE:HD2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:653:PHE:HE1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:653:PHE:HE2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:653:PHE:HZ | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:653:PHE:N | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:653:PHE:O | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:654:GLU:C | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:654:GLU:CA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:654:GLU:CB | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:654:GLU:CD | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:654:GLU:CG | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:654:GLU:H | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:654:GLU:HA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:654:GLU:HB2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:654:GLU:HB3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:654:GLU:HG2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:654:GLU:HG3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:654:GLU:N | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:654:GLU:O | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:654:GLU:OE1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:654:GLU:OE2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:655:GLY:C | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:655:GLY:CA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:655:GLY:H | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:655:GLY:HA2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:655:GLY:HA3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:655:GLY:N | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:655:GLY:O | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:656:PHE:C | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:656:PHE:CA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:656:PHE:CB | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:656:PHE:CD1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:656:PHE:CD2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:656:PHE:CE1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:656:PHE:CE2 | 10 | 0.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,33) | 1:A:251:THR:HG1 | 2:B:656:PHE:CG | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:656:PHE:CZ | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:656:PHE:H | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:656:PHE:HA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:656:PHE:HB2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:656:PHE:HB3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:656:PHE:HD1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:656:PHE:HD2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:656:PHE:HE1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:656:PHE:HE2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:656:PHE:HZ | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:656:PHE:N | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:656:PHE:O | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:657:SEP:C | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:657:SEP:CA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:657:SEP:CB | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:657:SEP:H | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:657:SEP:HA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:657:SEP:HB3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:657:SEP:N | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:657:SEP:O | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:657:SEP:O1P | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:657:SEP:O2P | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:657:SEP:O3P | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:657:SEP:OG | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:657:SEP:P | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:658:TYR:C | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:658:TYR:CA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:658:TYR:CB | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:658:TYR:CD1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:658:TYR:CD2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:658:TYR:CE1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:658:TYR:CE2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:658:TYR:CG | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:658:TYR:CZ | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:658:TYR:H | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:658:TYR:HA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:658:TYR:HB2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:658:TYR:HB3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:658:TYR:HD1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:658:TYR:HD2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:658:TYR:HE1 | 10 | 0.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|------------------|----------|---------------|
| (1,33) | 1:A:251:THR:HG1 | 2:B:658:TYR:HE2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:658:TYR:HH | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:658:TYR:N | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:658:TYR:O | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:658:TYR:OH | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:659:NH2:HN1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:659:NH2:HN2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:659:NH2:N | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:648:ACE:C | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:648:ACE:CH3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:648:ACE:H1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:648:ACE:H2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:648:ACE:H3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:648:ACE:O | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:649:ASP:C | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:649:ASP:CA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:649:ASP:CB | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:649:ASP:CG | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:649:ASP:H | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:649:ASP:HA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:649:ASP:HB2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:649:ASP:HB3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:649:ASP:N | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:649:ASP:O | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:649:ASP:OD1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:649:ASP:OD2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:650:GLN:C | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:650:GLN:CA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:650:GLN:CB | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:650:GLN:CD | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:650:GLN:CG | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:650:GLN:H | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:650:GLN:HA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:650:GLN:HB2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:650:GLN:HB3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:650:GLN:HE21 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:650:GLN:HE22 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:650:GLN:HG2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:650:GLN:HG3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:650:GLN:N | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:650:GLN:NE2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:650:GLN:O | 10 | 0.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,33) | 1:A:251:THR:HG21 | 2:B:650:GLN:OE1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:651:SER:C | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:651:SER:CA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:651:SER:CB | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:651:SER:H | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:651:SER:HA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:651:SER:HB2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:651:SER:HB3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:651:SER:HG | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:651:SER:N | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:651:SER:O | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:651:SER:OG | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:652:ASP:C | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:652:ASP:CA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:652:ASP:CB | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:652:ASP:CG | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:652:ASP:H | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:652:ASP:HA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:652:ASP:HB2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:652:ASP:HB3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:652:ASP:N | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:652:ASP:O | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:652:ASP:OD1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:652:ASP:OD2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:653:PHE:C | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:653:PHE:CA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:653:PHE:CB | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:653:PHE:CD1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:653:PHE:CD2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:653:PHE:CE1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:653:PHE:CE2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:653:PHE:CG | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:653:PHE:CZ | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:653:PHE:H | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:653:PHE:HA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:653:PHE:HB2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:653:PHE:HB3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:653:PHE:HD1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:653:PHE:HD2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:653:PHE:HE1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:653:PHE:HE2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:653:PHE:HZ | 10 | 0.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,33) | 1:A:251:THR:HG21 | 2:B:653:PHE:N | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:653:PHE:O | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:654:GLU:C | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:654:GLU:CA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:654:GLU:CB | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:654:GLU:CD | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:654:GLU:CG | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:654:GLU:H | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:654:GLU:HA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:654:GLU:HB2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:654:GLU:HB3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:654:GLU:HG2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:654:GLU:HG3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:654:GLU:N | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:654:GLU:O | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:654:GLU:OE1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:654:GLU:OE2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:655:GLY:C | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:655:GLY:CA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:655:GLY:H | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:655:GLY:HA2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:655:GLY:HA3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:655:GLY:N | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:655:GLY:O | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:656:PHE:C | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:656:PHE:CA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:656:PHE:CB | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:656:PHE:CD1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:656:PHE:CD2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:656:PHE:CE1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:656:PHE:CE2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:656:PHE:CG | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:656:PHE:CZ | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:656:PHE:H | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:656:PHE:HA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:656:PHE:HB2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:656:PHE:HB3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:656:PHE:HD1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:656:PHE:HD2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:656:PHE:HE1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:656:PHE:HE2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:656:PHE:HZ | 10 | 0.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,33) | 1:A:251:THR:HG21 | 2:B:656:PHE:N | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:656:PHE:O | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:657:SEP:C | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:657:SEP:CA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:657:SEP:CB | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:657:SEP:H | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:657:SEP:HA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:657:SEP:HB3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:657:SEP:N | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:657:SEP:O | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:657:SEP:O1P | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:657:SEP:O2P | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:657:SEP:O3P | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:657:SEP:OG | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:657:SEP:P | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:658:TYR:C | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:658:TYR:CA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:658:TYR:CB | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:658:TYR:CD1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:658:TYR:CD2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:658:TYR:CE1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:658:TYR:CE2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:658:TYR:CG | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:658:TYR:CZ | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:658:TYR:H | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:658:TYR:HA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:658:TYR:HB2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:658:TYR:HB3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:658:TYR:HD1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:658:TYR:HD2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:658:TYR:HE1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:658:TYR:HE2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:658:TYR:HH | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:658:TYR:N | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:658:TYR:O | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:658:TYR:OH | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:659:NH2:HN1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:659:NH2:HN2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:659:NH2:N | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:648:ACE:C | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:648:ACE:CH3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:648:ACE:H1 | 10 | 0.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|------------------|----------|---------------|
| (1,33) | 1:A:251:THR:HG22 | 2:B:648:ACE:H2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:648:ACE:H3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:648:ACE:O | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:649:ASP:C | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:649:ASP:CA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:649:ASP:CB | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:649:ASP:CG | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:649:ASP:H | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:649:ASP:HA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:649:ASP:HB2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:649:ASP:HB3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:649:ASP:N | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:649:ASP:O | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:649:ASP:OD1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:649:ASP:OD2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:650:GLN:C | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:650:GLN:CA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:650:GLN:CB | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:650:GLN:CD | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:650:GLN:CG | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:650:GLN:H | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:650:GLN:HA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:650:GLN:HB2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:650:GLN:HB3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:650:GLN:HE21 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:650:GLN:HE22 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:650:GLN:HG2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:650:GLN:HG3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:650:GLN:N | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:650:GLN:NE2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:650:GLN:O | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:650:GLN:OE1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:651:SER:C | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:651:SER:CA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:651:SER:CB | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:651:SER:H | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:651:SER:HA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:651:SER:HB2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:651:SER:HB3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:651:SER:HG | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:651:SER:N | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:651:SER:O | 10 | 0.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,33) | 1:A:251:THR:HG22 | 2:B:651:SER:OG | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:652:ASP:C | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:652:ASP:CA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:652:ASP:CB | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:652:ASP:CG | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:652:ASP:H | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:652:ASP:HA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:652:ASP:HB2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:652:ASP:HB3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:652:ASP:N | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:652:ASP:O | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:652:ASP:OD1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:652:ASP:OD2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:653:PHE:C | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:653:PHE:CA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:653:PHE:CB | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:653:PHE:CD1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:653:PHE:CD2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:653:PHE:CE1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:653:PHE:CE2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:653:PHE:CG | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:653:PHE:CZ | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:653:PHE:H | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:653:PHE:HA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:653:PHE:HB2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:653:PHE:HB3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:653:PHE:HD1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:653:PHE:HD2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:653:PHE:HE1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:653:PHE:HE2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:653:PHE:HZ | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:653:PHE:N | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:653:PHE:O | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:654:GLU:C | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:654:GLU:CA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:654:GLU:CB | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:654:GLU:CD | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:654:GLU:CG | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:654:GLU:H | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:654:GLU:HA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:654:GLU:HB2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:654:GLU:HB3 | 10 | 0.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,33) | 1:A:251:THR:HG22 | 2:B:654:GLU:HG2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:654:GLU:HG3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:654:GLU:N | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:654:GLU:O | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:654:GLU:OE1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:654:GLU:OE2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:655:GLY:C | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:655:GLY:CA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:655:GLY:H | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:655:GLY:HA2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:655:GLY:HA3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:655:GLY:N | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:655:GLY:O | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:656:PHE:C | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:656:PHE:CA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:656:PHE:CB | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:656:PHE:CD1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:656:PHE:CD2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:656:PHE:CE1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:656:PHE:CE2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:656:PHE:CG | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:656:PHE:CZ | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:656:PHE:H | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:656:PHE:HA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:656:PHE:HB2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:656:PHE:HB3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:656:PHE:HD1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:656:PHE:HD2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:656:PHE:HE1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:656:PHE:HE2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:656:PHE:HZ | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:656:PHE:N | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:656:PHE:O | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:657:SEP:C | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:657:SEP:CA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:657:SEP:CB | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:657:SEP:H | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:657:SEP:HA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:657:SEP:HB3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:657:SEP:N | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:657:SEP:O | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:657:SEP:O1P | 10 | 0.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,33) | 1:A:251:THR:HG22 | 2:B:657:SEP:O2P | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:657:SEP:O3P | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:657:SEP:OG | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:657:SEP:P | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:658:TYR:C | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:658:TYR:CA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:658:TYR:CB | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:658:TYR:CD1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:658:TYR:CD2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:658:TYR:CE1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:658:TYR:CE2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:658:TYR:CG | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:658:TYR:CZ | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:658:TYR:H | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:658:TYR:HA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:658:TYR:HB2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:658:TYR:HB3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:658:TYR:HD1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:658:TYR:HD2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:658:TYR:HE1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:658:TYR:HE2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:658:TYR:HH | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:658:TYR:N | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:658:TYR:O | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:658:TYR:OH | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:659:NH2:HN1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:659:NH2:HN2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:659:NH2:N | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:648:ACE:C | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:648:ACE:CH3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:648:ACE:H1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:648:ACE:H2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:648:ACE:H3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:648:ACE:O | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:649:ASP:C | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:649:ASP:CA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:649:ASP:CB | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:649:ASP:CG | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:649:ASP:H | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:649:ASP:HA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:649:ASP:HB2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:649:ASP:HB3 | 10 | 0.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|------------------|----------|---------------|
| (1,33) | 1:A:251:THR:HG23 | 2:B:649:ASP:N | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:649:ASP:O | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:649:ASP:OD1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:649:ASP:OD2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:650:GLN:C | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:650:GLN:CA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:650:GLN:CB | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:650:GLN:CD | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:650:GLN:CG | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:650:GLN:H | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:650:GLN:HA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:650:GLN:HB2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:650:GLN:HB3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:650:GLN:HE21 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:650:GLN:HE22 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:650:GLN:HG2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:650:GLN:HG3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:650:GLN:N | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:650:GLN:NE2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:650:GLN:O | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:650:GLN:OE1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:651:SER:C | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:651:SER:CA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:651:SER:CB | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:651:SER:H | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:651:SER:HA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:651:SER:HB2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:651:SER:HB3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:651:SER:HG | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:651:SER:N | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:651:SER:O | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:651:SER:OG | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:652:ASP:C | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:652:ASP:CA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:652:ASP:CB | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:652:ASP:CG | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:652:ASP:H | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:652:ASP:HA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:652:ASP:HB2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:652:ASP:HB3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:652:ASP:N | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:652:ASP:O | 10 | 0.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,33) | 1:A:251:THR:HG23 | 2:B:652:ASP:OD1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:652:ASP:OD2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:653:PHE:C | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:653:PHE:CA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:653:PHE:CB | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:653:PHE:CD1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:653:PHE:CD2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:653:PHE:CE1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:653:PHE:CE2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:653:PHE:CG | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:653:PHE:CZ | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:653:PHE:H | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:653:PHE:HA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:653:PHE:HB2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:653:PHE:HB3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:653:PHE:HD1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:653:PHE:HD2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:653:PHE:HE1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:653:PHE:HE2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:653:PHE:HZ | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:653:PHE:N | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:653:PHE:O | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:654:GLU:C | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:654:GLU:CA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:654:GLU:CB | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:654:GLU:CD | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:654:GLU:CG | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:654:GLU:H | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:654:GLU:HA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:654:GLU:HB2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:654:GLU:HB3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:654:GLU:HG2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:654:GLU:HG3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:654:GLU:N | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:654:GLU:O | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:654:GLU:OE1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:654:GLU:OE2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:655:GLY:C | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:655:GLY:CA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:655:GLY:H | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:655:GLY:HA2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:655:GLY:HA3 | 10 | 0.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,33) | 1:A:251:THR:HG23 | 2:B:655:GLY:N | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:655:GLY:O | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:656:PHE:C | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:656:PHE:CA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:656:PHE:CB | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:656:PHE:CD1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:656:PHE:CD2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:656:PHE:CE1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:656:PHE:CE2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:656:PHE:CG | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:656:PHE:CZ | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:656:PHE:H | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:656:PHE:HA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:656:PHE:HB2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:656:PHE:HB3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:656:PHE:HD1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:656:PHE:HD2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:656:PHE:HE1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:656:PHE:HE2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:656:PHE:HZ | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:656:PHE:N | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:656:PHE:O | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:657:SEP:C | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:657:SEP:CA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:657:SEP:CB | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:657:SEP:H | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:657:SEP:HA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:657:SEP:HB3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:657:SEP:N | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:657:SEP:O | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:657:SEP:O1P | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:657:SEP:O2P | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:657:SEP:O3P | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:657:SEP:OG | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:657:SEP:P | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:658:TYR:C | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:658:TYR:CA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:658:TYR:CB | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:658:TYR:CD1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:658:TYR:CD2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:658:TYR:CE1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:658:TYR:CE2 | 10 | 0.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,33) | 1:A:251:THR:HG23 | 2:B:658:TYR:CG | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:658:TYR:CZ | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:658:TYR:H | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:658:TYR:HA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:658:TYR:HB2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:658:TYR:HB3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:658:TYR:HD1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:658:TYR:HD2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:658:TYR:HE1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:658:TYR:HE2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:658:TYR:HH | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:658:TYR:N | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:658:TYR:O | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:658:TYR:OH | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:659:NH2:HN1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:659:NH2:HN2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:659:NH2:N | 10 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:648:ACE:C | 10 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:648:ACE:CH3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:648:ACE:H1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:648:ACE:H2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:648:ACE:H3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:648:ACE:O | 10 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:649:ASP:C | 10 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:649:ASP:CA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:649:ASP:CB | 10 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:649:ASP:CG | 10 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:649:ASP:H | 10 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:649:ASP:HA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:649:ASP:HB2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:649:ASP:HB3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:649:ASP:N | 10 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:649:ASP:O | 10 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:649:ASP:OD1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:649:ASP:OD2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:650:GLN:C | 10 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:650:GLN:CA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:650:GLN:CB | 10 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:650:GLN:CD | 10 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:650:GLN:CG | 10 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:650:GLN:H | 10 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:650:GLN:HA | 10 | 0.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (1,33) | 1:A:251:THR:N | 2:B:650:GLN:HB2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:650:GLN:HB3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:650:GLN:HE21 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:650:GLN:HE22 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:650:GLN:HG2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:650:GLN:HG3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:650:GLN:N | 10 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:650:GLN:NE2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:650:GLN:O | 10 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:650:GLN:OE1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:651:SER:C | 10 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:651:SER:CA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:651:SER:CB | 10 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:651:SER:H | 10 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:651:SER:HA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:651:SER:HB2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:651:SER:HB3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:651:SER:HG | 10 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:651:SER:N | 10 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:651:SER:O | 10 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:651:SER:OG | 10 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:652:ASP:C | 10 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:652:ASP:CA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:652:ASP:CB | 10 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:652:ASP:CG | 10 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:652:ASP:H | 10 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:652:ASP:HA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:652:ASP:HB2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:652:ASP:HB3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:652:ASP:N | 10 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:652:ASP:O | 10 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:652:ASP:OD1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:652:ASP:OD2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:653:PHE:C | 10 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:653:PHE:CA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:653:PHE:CB | 10 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:653:PHE:CD1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:653:PHE:CD2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:653:PHE:CE1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:653:PHE:CE2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:653:PHE:CG | 10 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:653:PHE:CZ | 10 | 0.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,33) | 1:A:251:THR:N | 2:B:653:PHE:H | 10 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:653:PHE:HA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:653:PHE:HB2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:653:PHE:HB3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:653:PHE:HD1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:653:PHE:HD2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:653:PHE:HE1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:653:PHE:HE2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:653:PHE:HZ | 10 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:653:PHE:N | 10 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:653:PHE:O | 10 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:654:GLU:C | 10 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:654:GLU:CA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:654:GLU:CB | 10 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:654:GLU:CD | 10 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:654:GLU:CG | 10 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:654:GLU:H | 10 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:654:GLU:HA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:654:GLU:HB2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:654:GLU:HB3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:654:GLU:HG2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:654:GLU:HG3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:654:GLU:N | 10 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:654:GLU:O | 10 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:654:GLU:OE1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:654:GLU:OE2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:655:GLY:C | 10 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:655:GLY:CA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:655:GLY:H | 10 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:655:GLY:HA2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:655:GLY:HA3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:655:GLY:N | 10 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:655:GLY:O | 10 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:656:PHE:C | 10 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:656:PHE:CA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:656:PHE:CB | 10 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:656:PHE:CD1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:656:PHE:CD2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:656:PHE:CE1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:656:PHE:CE2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:656:PHE:CG | 10 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:656:PHE:CZ | 10 | 0.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,33) | 1:A:251:THR:N | 2:B:656:PHE:H | 10 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:656:PHE:HA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:656:PHE:HB2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:656:PHE:HB3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:656:PHE:HD1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:656:PHE:HD2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:656:PHE:HE1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:656:PHE:HE2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:656:PHE:HZ | 10 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:656:PHE:N | 10 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:656:PHE:O | 10 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:657:SEP:C | 10 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:657:SEP:CA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:657:SEP:CB | 10 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:657:SEP:H | 10 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:657:SEP:HA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:657:SEP:HB3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:657:SEP:N | 10 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:657:SEP:O | 10 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:657:SEP:O1P | 10 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:657:SEP:O2P | 10 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:657:SEP:O3P | 10 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:657:SEP:OG | 10 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:657:SEP:P | 10 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:658:TYR:C | 10 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:658:TYR:CA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:658:TYR:CB | 10 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:658:TYR:CD1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:658:TYR:CD2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:658:TYR:CE1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:658:TYR:CE2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:658:TYR:CG | 10 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:658:TYR:CZ | 10 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:658:TYR:H | 10 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:658:TYR:HA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:658:TYR:HB2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:658:TYR:HB3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:658:TYR:HD1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:658:TYR:HD2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:658:TYR:HE1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:658:TYR:HE2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:658:TYR:HH | 10 | 0.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (1,33) | 1:A:251:THR:N | 2:B:658:TYR:N | 10 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:658:TYR:O | 10 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:658:TYR:OH | 10 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:659:NH2:HN1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:659:NH2:HN2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:659:NH2:N | 10 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:648:ACE:C | 10 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:648:ACE:CH3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:648:ACE:H1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:648:ACE:H2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:648:ACE:H3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:648:ACE:O | 10 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:649:ASP:C | 10 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:649:ASP:CA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:649:ASP:CB | 10 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:649:ASP:CG | 10 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:649:ASP:H | 10 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:649:ASP:HA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:649:ASP:HB2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:649:ASP:HB3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:649:ASP:N | 10 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:649:ASP:O | 10 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:649:ASP:OD1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:649:ASP:OD2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:650:GLN:C | 10 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:650:GLN:CA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:650:GLN:CB | 10 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:650:GLN:CD | 10 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:650:GLN:CG | 10 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:650:GLN:H | 10 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:650:GLN:HA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:650:GLN:HB2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:650:GLN:HB3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:650:GLN:HE21 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:650:GLN:HE22 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:650:GLN:HG2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:650:GLN:HG3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:650:GLN:N | 10 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:650:GLN:NE2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:650:GLN:O | 10 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:650:GLN:OE1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:651:SER:C | 10 | 0.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,33) | 1:A:251:THR:O | 2:B:651:SER:CA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:651:SER:CB | 10 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:651:SER:H | 10 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:651:SER:HA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:651:SER:HB2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:651:SER:HB3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:651:SER:HG | 10 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:651:SER:N | 10 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:651:SER:O | 10 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:651:SER:OG | 10 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:652:ASP:C | 10 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:652:ASP:CA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:652:ASP:CB | 10 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:652:ASP:CG | 10 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:652:ASP:H | 10 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:652:ASP:HA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:652:ASP:HB2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:652:ASP:HB3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:652:ASP:N | 10 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:652:ASP:O | 10 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:652:ASP:OD1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:652:ASP:OD2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:653:PHE:C | 10 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:653:PHE:CA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:653:PHE:CB | 10 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:653:PHE:CD1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:653:PHE:CD2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:653:PHE:CE1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:653:PHE:CE2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:653:PHE:CG | 10 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:653:PHE:CZ | 10 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:653:PHE:H | 10 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:653:PHE:HA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:653:PHE:HB2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:653:PHE:HB3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:653:PHE:HD1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:653:PHE:HD2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:653:PHE:HE1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:653:PHE:HE2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:653:PHE:HZ | 10 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:653:PHE:N | 10 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:653:PHE:O | 10 | 0.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,33) | 1:A:251:THR:O | 2:B:654:GLU:C | 10 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:654:GLU:CA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:654:GLU:CB | 10 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:654:GLU:CD | 10 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:654:GLU:CG | 10 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:654:GLU:H | 10 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:654:GLU:HA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:654:GLU:HB2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:654:GLU:HB3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:654:GLU:HG2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:654:GLU:HG3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:654:GLU:N | 10 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:654:GLU:O | 10 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:654:GLU:OE1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:654:GLU:OE2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:655:GLY:C | 10 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:655:GLY:CA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:655:GLY:H | 10 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:655:GLY:HA2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:655:GLY:HA3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:655:GLY:N | 10 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:655:GLY:O | 10 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:656:PHE:C | 10 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:656:PHE:CA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:656:PHE:CB | 10 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:656:PHE:CD1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:656:PHE:CD2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:656:PHE:CE1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:656:PHE:CE2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:656:PHE:CG | 10 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:656:PHE:CZ | 10 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:656:PHE:H | 10 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:656:PHE:HA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:656:PHE:HB2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:656:PHE:HB3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:656:PHE:HD1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:656:PHE:HD2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:656:PHE:HE1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:656:PHE:HE2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:656:PHE:HZ | 10 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:656:PHE:N | 10 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:656:PHE:O | 10 | 0.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,33) | 1:A:251:THR:O | 2:B:657:SEP:C | 10 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:657:SEP:CA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:657:SEP:CB | 10 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:657:SEP:H | 10 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:657:SEP:HA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:657:SEP:HB3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:657:SEP:N | 10 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:657:SEP:O | 10 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:657:SEP:O1P | 10 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:657:SEP:O2P | 10 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:657:SEP:O3P | 10 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:657:SEP:OG | 10 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:657:SEP:P | 10 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:658:TYR:C | 10 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:658:TYR:CA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:658:TYR:CB | 10 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:658:TYR:CD1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:658:TYR:CD2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:658:TYR:CE1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:658:TYR:CE2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:658:TYR:CG | 10 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:658:TYR:CZ | 10 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:658:TYR:H | 10 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:658:TYR:HA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:658:TYR:HB2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:658:TYR:HB3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:658:TYR:HD1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:658:TYR:HD2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:658:TYR:HE1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:658:TYR:HE2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:658:TYR:HH | 10 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:658:TYR:N | 10 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:658:TYR:O | 10 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:658:TYR:OH | 10 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:659:NH2:HN1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:659:NH2:HN2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:659:NH2:N | 10 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:648:ACE:C | 10 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:648:ACE:CH3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:648:ACE:H1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:648:ACE:H2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:648:ACE:H3 | 10 | 0.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|------------------|----------|---------------|
| (1,33) | 1:A:251:THR:OG1 | 2:B:648:ACE:O | 10 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:649:ASP:C | 10 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:649:ASP:CA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:649:ASP:CB | 10 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:649:ASP:CG | 10 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:649:ASP:H | 10 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:649:ASP:HA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:649:ASP:HB2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:649:ASP:HB3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:649:ASP:N | 10 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:649:ASP:O | 10 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:649:ASP:OD1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:649:ASP:OD2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:650:GLN:C | 10 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:650:GLN:CA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:650:GLN:CB | 10 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:650:GLN:CD | 10 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:650:GLN:CG | 10 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:650:GLN:H | 10 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:650:GLN:HA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:650:GLN:HB2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:650:GLN:HB3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:650:GLN:HE21 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:650:GLN:HE22 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:650:GLN:HG2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:650:GLN:HG3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:650:GLN:N | 10 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:650:GLN:NE2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:650:GLN:O | 10 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:650:GLN:OE1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:651:SER:C | 10 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:651:SER:CA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:651:SER:CB | 10 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:651:SER:H | 10 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:651:SER:HA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:651:SER:HB2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:651:SER:HB3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:651:SER:HG | 10 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:651:SER:N | 10 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:651:SER:O | 10 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:651:SER:OG | 10 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:652:ASP:C | 10 | 0.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,33) | 1:A:251:THR:OG1 | 2:B:652:ASP:CA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:652:ASP:CB | 10 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:652:ASP:CG | 10 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:652:ASP:H | 10 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:652:ASP:HA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:652:ASP:HB2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:652:ASP:HB3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:652:ASP:N | 10 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:652:ASP:O | 10 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:652:ASP:OD1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:652:ASP:OD2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:653:PHE:C | 10 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:653:PHE:CA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:653:PHE:CB | 10 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:653:PHE:CD1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:653:PHE:CD2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:653:PHE:CE1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:653:PHE:CE2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:653:PHE:CG | 10 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:653:PHE:CZ | 10 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:653:PHE:H | 10 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:653:PHE:HA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:653:PHE:HB2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:653:PHE:HB3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:653:PHE:HD1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:653:PHE:HD2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:653:PHE:HE1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:653:PHE:HE2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:653:PHE:HZ | 10 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:653:PHE:N | 10 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:653:PHE:O | 10 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:654:GLU:C | 10 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:654:GLU:CA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:654:GLU:CB | 10 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:654:GLU:CD | 10 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:654:GLU:CG | 10 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:654:GLU:H | 10 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:654:GLU:HA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:654:GLU:HB2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:654:GLU:HB3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:654:GLU:HG2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:654:GLU:HG3 | 10 | 0.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,33) | 1:A:251:THR:OG1 | 2:B:654:GLU:N | 10 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:654:GLU:O | 10 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:654:GLU:OE1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:654:GLU:OE2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:655:GLY:C | 10 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:655:GLY:CA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:655:GLY:H | 10 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:655:GLY:HA2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:655:GLY:HA3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:655:GLY:N | 10 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:655:GLY:O | 10 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:656:PHE:C | 10 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:656:PHE:CA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:656:PHE:CB | 10 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:656:PHE:CD1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:656:PHE:CD2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:656:PHE:CE1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:656:PHE:CE2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:656:PHE:CG | 10 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:656:PHE:CZ | 10 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:656:PHE:H | 10 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:656:PHE:HA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:656:PHE:HB2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:656:PHE:HB3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:656:PHE:HD1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:656:PHE:HD2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:656:PHE:HE1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:656:PHE:HE2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:656:PHE:HZ | 10 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:656:PHE:N | 10 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:656:PHE:O | 10 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:657:SEP:C | 10 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:657:SEP:CA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:657:SEP:CB | 10 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:657:SEP:H | 10 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:657:SEP:HA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:657:SEP:HB3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:657:SEP:N | 10 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:657:SEP:O | 10 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:657:SEP:O1P | 10 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:657:SEP:O2P | 10 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:657:SEP:O3P | 10 | 0.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,33) | 1:A:251:THR:OG1 | 2:B:657:SEP:OG | 10 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:657:SEP:P | 10 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:658:TYR:C | 10 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:658:TYR:CA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:658:TYR:CB | 10 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:658:TYR:CD1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:658:TYR:CD2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:658:TYR:CE1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:658:TYR:CE2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:658:TYR:CG | 10 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:658:TYR:CZ | 10 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:658:TYR:H | 10 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:658:TYR:HA | 10 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:658:TYR:HB2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:658:TYR:HB3 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:658:TYR:HD1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:658:TYR:HD2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:658:TYR:HE1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:658:TYR:HE2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:658:TYR:HH | 10 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:658:TYR:N | 10 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:658:TYR:O | 10 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:658:TYR:OH | 10 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:659:NH2:HN1 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:659:NH2:HN2 | 10 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:659:NH2:N | 10 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:648:ACE:C | 17 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:648:ACE:CH3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:648:ACE:H1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:648:ACE:H2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:648:ACE:H3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:648:ACE:O | 17 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:649:ASP:C | 17 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:649:ASP:CA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:649:ASP:CB | 17 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:649:ASP:CG | 17 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:649:ASP:H | 17 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:649:ASP:HA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:649:ASP:HB2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:649:ASP:HB3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:649:ASP:N | 17 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:649:ASP:O | 17 | 0.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (1,33) | 1:A:251:THR:C | 2:B:649:ASP:OD1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:649:ASP:OD2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:650:GLN:C | 17 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:650:GLN:CA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:650:GLN:CB | 17 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:650:GLN:CD | 17 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:650:GLN:CG | 17 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:650:GLN:H | 17 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:650:GLN:HA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:650:GLN:HB2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:650:GLN:HB3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:650:GLN:HE21 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:650:GLN:HE22 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:650:GLN:HG2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:650:GLN:HG3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:650:GLN:N | 17 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:650:GLN:NE2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:650:GLN:O | 17 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:650:GLN:OE1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:651:SER:C | 17 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:651:SER:CA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:651:SER:CB | 17 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:651:SER:H | 17 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:651:SER:HA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:651:SER:HB2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:651:SER:HB3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:651:SER:HG | 17 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:651:SER:N | 17 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:651:SER:O | 17 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:651:SER:OG | 17 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:652:ASP:C | 17 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:652:ASP:CA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:652:ASP:CB | 17 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:652:ASP:CG | 17 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:652:ASP:H | 17 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:652:ASP:HA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:652:ASP:HB2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:652:ASP:HB3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:652:ASP:N | 17 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:652:ASP:O | 17 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:652:ASP:OD1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:652:ASP:OD2 | 17 | 0.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,33) | 1:A:251:THR:C | 2:B:653:PHE:C | 17 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:653:PHE:CA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:653:PHE:CB | 17 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:653:PHE:CD1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:653:PHE:CD2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:653:PHE:CE1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:653:PHE:CE2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:653:PHE:CG | 17 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:653:PHE:CZ | 17 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:653:PHE:H | 17 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:653:PHE:HA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:653:PHE:HB2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:653:PHE:HB3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:653:PHE:HD1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:653:PHE:HD2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:653:PHE:HE1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:653:PHE:HE2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:653:PHE:HZ | 17 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:653:PHE:N | 17 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:653:PHE:O | 17 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:654:GLU:C | 17 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:654:GLU:CA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:654:GLU:CB | 17 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:654:GLU:CD | 17 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:654:GLU:CG | 17 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:654:GLU:H | 17 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:654:GLU:HA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:654:GLU:HB2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:654:GLU:HB3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:654:GLU:HG2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:654:GLU:HG3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:654:GLU:N | 17 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:654:GLU:O | 17 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:654:GLU:OE1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:654:GLU:OE2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:655:GLY:C | 17 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:655:GLY:CA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:655:GLY:H | 17 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:655:GLY:HA2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:655:GLY:HA3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:655:GLY:N | 17 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:655:GLY:O | 17 | 0.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,33) | 1:A:251:THR:C | 2:B:656:PHE:C | 17 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:656:PHE:CA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:656:PHE:CB | 17 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:656:PHE:CD1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:656:PHE:CD2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:656:PHE:CE1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:656:PHE:CE2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:656:PHE:CG | 17 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:656:PHE:CZ | 17 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:656:PHE:H | 17 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:656:PHE:HA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:656:PHE:HB2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:656:PHE:HB3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:656:PHE:HD1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:656:PHE:HD2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:656:PHE:HE1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:656:PHE:HE2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:656:PHE:HZ | 17 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:656:PHE:N | 17 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:656:PHE:O | 17 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:657:SEP:C | 17 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:657:SEP:CA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:657:SEP:CB | 17 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:657:SEP:H | 17 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:657:SEP:HA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:657:SEP:HB3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:657:SEP:N | 17 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:657:SEP:O | 17 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:657:SEP:O1P | 17 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:657:SEP:O2P | 17 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:657:SEP:O3P | 17 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:657:SEP:OG | 17 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:657:SEP:P | 17 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:658:TYR:C | 17 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:658:TYR:CA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:658:TYR:CB | 17 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:658:TYR:CD1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:658:TYR:CD2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:658:TYR:CE1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:658:TYR:CE2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:658:TYR:CG | 17 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:658:TYR:CZ | 17 | 0.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,33) | 1:A:251:THR:C | 2:B:658:TYR:H | 17 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:658:TYR:HA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:658:TYR:HB2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:658:TYR:HB3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:658:TYR:HD1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:658:TYR:HD2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:658:TYR:HE1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:658:TYR:HE2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:658:TYR:HH | 17 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:658:TYR:N | 17 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:658:TYR:O | 17 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:658:TYR:OH | 17 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:659:NH2:HN1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:659:NH2:HN2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:C | 2:B:659:NH2:N | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:648:ACE:C | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:648:ACE:CH3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:648:ACE:H1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:648:ACE:H2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:648:ACE:H3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:648:ACE:O | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:649:ASP:C | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:649:ASP:CA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:649:ASP:CB | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:649:ASP:CG | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:649:ASP:H | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:649:ASP:HA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:649:ASP:HB2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:649:ASP:HB3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:649:ASP:N | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:649:ASP:O | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:649:ASP:OD1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:649:ASP:OD2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:650:GLN:C | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:650:GLN:CA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:650:GLN:CB | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:650:GLN:CD | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:650:GLN:CG | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:650:GLN:H | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:650:GLN:HA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:650:GLN:HB2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:650:GLN:HB3 | 17 | 0.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (1,33) | 1:A:251:THR:CA | 2:B:650:GLN:HE21 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:650:GLN:HE22 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:650:GLN:HG2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:650:GLN:HG3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:650:GLN:N | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:650:GLN:NE2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:650:GLN:O | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:650:GLN:OE1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:651:SER:C | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:651:SER:CA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:651:SER:CB | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:651:SER:H | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:651:SER:HA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:651:SER:HB2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:651:SER:HB3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:651:SER:HG | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:651:SER:N | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:651:SER:O | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:651:SER:OG | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:652:ASP:C | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:652:ASP:CA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:652:ASP:CB | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:652:ASP:CG | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:652:ASP:H | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:652:ASP:HA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:652:ASP:HB2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:652:ASP:HB3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:652:ASP:N | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:652:ASP:O | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:652:ASP:OD1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:652:ASP:OD2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:653:PHE:C | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:653:PHE:CA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:653:PHE:CB | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:653:PHE:CD1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:653:PHE:CD2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:653:PHE:CE1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:653:PHE:CE2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:653:PHE:CG | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:653:PHE:CZ | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:653:PHE:H | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:653:PHE:HA | 17 | 0.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,33) | 1:A:251:THR:CA | 2:B:653:PHE:HB2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:653:PHE:HB3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:653:PHE:HD1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:653:PHE:HD2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:653:PHE:HE1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:653:PHE:HE2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:653:PHE:HZ | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:653:PHE:N | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:653:PHE:O | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:654:GLU:C | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:654:GLU:CA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:654:GLU:CB | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:654:GLU:CD | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:654:GLU:CG | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:654:GLU:H | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:654:GLU:HA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:654:GLU:HB2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:654:GLU:HB3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:654:GLU:HG2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:654:GLU:HG3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:654:GLU:N | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:654:GLU:O | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:654:GLU:OE1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:654:GLU:OE2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:655:GLY:C | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:655:GLY:CA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:655:GLY:H | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:655:GLY:HA2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:655:GLY:HA3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:655:GLY:N | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:655:GLY:O | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:656:PHE:C | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:656:PHE:CA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:656:PHE:CB | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:656:PHE:CD1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:656:PHE:CD2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:656:PHE:CE1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:656:PHE:CE2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:656:PHE:CG | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:656:PHE:CZ | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:656:PHE:H | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:656:PHE:HA | 17 | 0.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,33) | 1:A:251:THR:CA | 2:B:656:PHE:HB2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:656:PHE:HB3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:656:PHE:HD1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:656:PHE:HD2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:656:PHE:HE1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:656:PHE:HE2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:656:PHE:HZ | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:656:PHE:N | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:656:PHE:O | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:657:SEP:C | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:657:SEP:CA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:657:SEP:CB | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:657:SEP:H | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:657:SEP:HA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:657:SEP:HB3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:657:SEP:N | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:657:SEP:O | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:657:SEP:O1P | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:657:SEP:O2P | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:657:SEP:O3P | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:657:SEP:OG | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:657:SEP:P | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:658:TYR:C | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:658:TYR:CA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:658:TYR:CB | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:658:TYR:CD1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:658:TYR:CD2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:658:TYR:CE1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:658:TYR:CE2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:658:TYR:CG | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:658:TYR:CZ | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:658:TYR:H | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:658:TYR:HA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:658:TYR:HB2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:658:TYR:HB3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:658:TYR:HD1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:658:TYR:HD2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:658:TYR:HE1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:658:TYR:HE2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:658:TYR:HH | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:658:TYR:N | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:658:TYR:O | 17 | 0.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (1,33) | 1:A:251:THR:CA | 2:B:658:TYR:OH | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:659:NH2:HN1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:659:NH2:HN2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CA | 2:B:659:NH2:N | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:648:ACE:C | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:648:ACE:CH3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:648:ACE:H1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:648:ACE:H2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:648:ACE:H3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:648:ACE:O | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:649:ASP:C | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:649:ASP:CA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:649:ASP:CB | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:649:ASP:CG | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:649:ASP:H | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:649:ASP:HA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:649:ASP:HB2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:649:ASP:HB3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:649:ASP:N | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:649:ASP:O | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:649:ASP:OD1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:649:ASP:OD2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:650:GLN:C | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:650:GLN:CA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:650:GLN:CB | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:650:GLN:CD | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:650:GLN:CG | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:650:GLN:H | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:650:GLN:HA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:650:GLN:HB2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:650:GLN:HB3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:650:GLN:HE21 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:650:GLN:HE22 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:650:GLN:HG2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:650:GLN:HG3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:650:GLN:N | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:650:GLN:NE2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:650:GLN:O | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:650:GLN:OE1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:651:SER:C | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:651:SER:CA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:651:SER:CB | 17 | 0.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,33) | 1:A:251:THR:CB | 2:B:651:SER:H | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:651:SER:HA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:651:SER:HB2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:651:SER:HB3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:651:SER:HG | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:651:SER:N | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:651:SER:O | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:651:SER:OG | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:652:ASP:C | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:652:ASP:CA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:652:ASP:CB | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:652:ASP:CG | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:652:ASP:H | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:652:ASP:HA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:652:ASP:HB2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:652:ASP:HB3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:652:ASP:N | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:652:ASP:O | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:652:ASP:OD1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:652:ASP:OD2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:653:PHE:C | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:653:PHE:CA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:653:PHE:CB | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:653:PHE:CD1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:653:PHE:CD2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:653:PHE:CE1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:653:PHE:CE2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:653:PHE:CG | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:653:PHE:CZ | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:653:PHE:H | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:653:PHE:HA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:653:PHE:HB2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:653:PHE:HB3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:653:PHE:HD1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:653:PHE:HD2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:653:PHE:HE1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:653:PHE:HE2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:653:PHE:HZ | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:653:PHE:N | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:653:PHE:O | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:654:GLU:C | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:654:GLU:CA | 17 | 0.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,33) | 1:A:251:THR:CB | 2:B:654:GLU:CB | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:654:GLU:CD | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:654:GLU:CG | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:654:GLU:H | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:654:GLU:HA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:654:GLU:HB2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:654:GLU:HB3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:654:GLU:HG2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:654:GLU:HG3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:654:GLU:N | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:654:GLU:O | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:654:GLU:OE1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:654:GLU:OE2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:655:GLY:C | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:655:GLY:CA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:655:GLY:H | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:655:GLY:HA2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:655:GLY:HA3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:655:GLY:N | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:655:GLY:O | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:656:PHE:C | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:656:PHE:CA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:656:PHE:CB | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:656:PHE:CD1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:656:PHE:CD2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:656:PHE:CE1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:656:PHE:CE2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:656:PHE:CG | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:656:PHE:CZ | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:656:PHE:H | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:656:PHE:HA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:656:PHE:HB2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:656:PHE:HB3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:656:PHE:HD1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:656:PHE:HD2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:656:PHE:HE1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:656:PHE:HE2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:656:PHE:HZ | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:656:PHE:N | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:656:PHE:O | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:657:SEP:C | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:657:SEP:CA | 17 | 0.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,33) | 1:A:251:THR:CB | 2:B:657:SEP:CB | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:657:SEP:H | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:657:SEP:HA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:657:SEP:HB3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:657:SEP:N | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:657:SEP:O | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:657:SEP:O1P | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:657:SEP:O2P | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:657:SEP:O3P | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:657:SEP:OG | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:657:SEP:P | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:658:TYR:C | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:658:TYR:CA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:658:TYR:CB | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:658:TYR:CD1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:658:TYR:CD2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:658:TYR:CE1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:658:TYR:CE2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:658:TYR:CG | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:658:TYR:CZ | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:658:TYR:H | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:658:TYR:HA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:658:TYR:HB2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:658:TYR:HB3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:658:TYR:HD1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:658:TYR:HD2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:658:TYR:HE1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:658:TYR:HE2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:658:TYR:HH | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:658:TYR:N | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:658:TYR:O | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:658:TYR:OH | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:659:NH2:HN1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:659:NH2:HN2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CB | 2:B:659:NH2:N | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:648:ACE:C | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:648:ACE:CH3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:648:ACE:H1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:648:ACE:H2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:648:ACE:H3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:648:ACE:O | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:649:ASP:C | 17 | 0.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|------------------|----------|---------------|
| (1,33) | 1:A:251:THR:CG2 | 2:B:649:ASP:CA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:649:ASP:CB | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:649:ASP:CG | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:649:ASP:H | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:649:ASP:HA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:649:ASP:HB2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:649:ASP:HB3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:649:ASP:N | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:649:ASP:O | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:649:ASP:OD1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:649:ASP:OD2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:650:GLN:C | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:650:GLN:CA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:650:GLN:CB | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:650:GLN:CD | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:650:GLN:CG | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:650:GLN:H | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:650:GLN:HA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:650:GLN:HB2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:650:GLN:HB3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:650:GLN:HE21 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:650:GLN:HE22 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:650:GLN:HG2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:650:GLN:HG3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:650:GLN:N | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:650:GLN:NE2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:650:GLN:O | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:650:GLN:OE1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:651:SER:C | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:651:SER:CA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:651:SER:CB | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:651:SER:H | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:651:SER:HA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:651:SER:HB2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:651:SER:HB3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:651:SER:HG | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:651:SER:N | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:651:SER:O | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:651:SER:OG | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:652:ASP:C | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:652:ASP:CA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:652:ASP:CB | 17 | 0.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,33) | 1:A:251:THR:CG2 | 2:B:652:ASP:CG | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:652:ASP:H | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:652:ASP:HA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:652:ASP:HB2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:652:ASP:HB3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:652:ASP:N | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:652:ASP:O | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:652:ASP:OD1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:652:ASP:OD2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:653:PHE:C | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:653:PHE:CA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:653:PHE:CB | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:653:PHE:CD1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:653:PHE:CD2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:653:PHE:CE1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:653:PHE:CE2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:653:PHE:CG | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:653:PHE:CZ | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:653:PHE:H | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:653:PHE:HA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:653:PHE:HB2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:653:PHE:HB3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:653:PHE:HD1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:653:PHE:HD2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:653:PHE:HE1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:653:PHE:HE2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:653:PHE:HZ | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:653:PHE:N | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:653:PHE:O | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:654:GLU:C | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:654:GLU:CA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:654:GLU:CB | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:654:GLU:CD | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:654:GLU:CG | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:654:GLU:H | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:654:GLU:HA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:654:GLU:HB2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:654:GLU:HB3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:654:GLU:HG2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:654:GLU:HG3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:654:GLU:N | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:654:GLU:O | 17 | 0.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,33) | 1:A:251:THR:CG2 | 2:B:654:GLU:OE1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:654:GLU:OE2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:655:GLY:C | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:655:GLY:CA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:655:GLY:H | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:655:GLY:HA2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:655:GLY:HA3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:655:GLY:N | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:655:GLY:O | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:656:PHE:C | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:656:PHE:CA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:656:PHE:CB | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:656:PHE:CD1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:656:PHE:CD2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:656:PHE:CE1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:656:PHE:CE2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:656:PHE:CG | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:656:PHE:CZ | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:656:PHE:H | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:656:PHE:HA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:656:PHE:HB2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:656:PHE:HB3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:656:PHE:HD1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:656:PHE:HD2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:656:PHE:HE1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:656:PHE:HE2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:656:PHE:HZ | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:656:PHE:N | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:656:PHE:O | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:657:SEP:C | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:657:SEP:CA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:657:SEP:CB | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:657:SEP:H | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:657:SEP:HA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:657:SEP:HB3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:657:SEP:N | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:657:SEP:O | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:657:SEP:O1P | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:657:SEP:O2P | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:657:SEP:O3P | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:657:SEP:OG | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:657:SEP:P | 17 | 0.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,33) | 1:A:251:THR:CG2 | 2:B:658:TYR:C | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:658:TYR:CA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:658:TYR:CB | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:658:TYR:CD1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:658:TYR:CD2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:658:TYR:CE1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:658:TYR:CE2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:658:TYR:CG | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:658:TYR:CZ | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:658:TYR:H | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:658:TYR:HA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:658:TYR:HB2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:658:TYR:HB3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:658:TYR:HD1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:658:TYR:HD2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:658:TYR:HE1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:658:TYR:HE2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:658:TYR:HH | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:658:TYR:N | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:658:TYR:O | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:658:TYR:OH | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:659:NH2:HN1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:659:NH2:HN2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:CG2 | 2:B:659:NH2:N | 17 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:648:ACE:C | 17 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:648:ACE:CH3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:648:ACE:H1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:648:ACE:H2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:648:ACE:H3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:648:ACE:O | 17 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:649:ASP:C | 17 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:649:ASP:CA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:649:ASP:CB | 17 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:649:ASP:CG | 17 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:649:ASP:H | 17 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:649:ASP:HA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:649:ASP:HB2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:649:ASP:HB3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:649:ASP:N | 17 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:649:ASP:O | 17 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:649:ASP:OD1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:649:ASP:OD2 | 17 | 0.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (1,33) | 1:A:251:THR:H | 2:B:650:GLN:C | 17 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:650:GLN:CA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:650:GLN:CB | 17 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:650:GLN:CD | 17 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:650:GLN:CG | 17 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:650:GLN:H | 17 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:650:GLN:HA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:650:GLN:HB2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:650:GLN:HB3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:650:GLN:HE21 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:650:GLN:HE22 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:650:GLN:HG2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:650:GLN:HG3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:650:GLN:N | 17 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:650:GLN:NE2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:650:GLN:O | 17 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:650:GLN:OE1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:651:SER:C | 17 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:651:SER:CA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:651:SER:CB | 17 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:651:SER:H | 17 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:651:SER:HA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:651:SER:HB2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:651:SER:HB3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:651:SER:HG | 17 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:651:SER:N | 17 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:651:SER:O | 17 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:651:SER:OG | 17 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:652:ASP:C | 17 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:652:ASP:CA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:652:ASP:CB | 17 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:652:ASP:CG | 17 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:652:ASP:H | 17 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:652:ASP:HA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:652:ASP:HB2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:652:ASP:HB3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:652:ASP:N | 17 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:652:ASP:O | 17 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:652:ASP:OD1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:652:ASP:OD2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:653:PHE:C | 17 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:653:PHE:CA | 17 | 0.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,33) | 1:A:251:THR:H | 2:B:653:PHE:CB | 17 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:653:PHE:CD1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:653:PHE:CD2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:653:PHE:CE1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:653:PHE:CE2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:653:PHE:CG | 17 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:653:PHE:CZ | 17 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:653:PHE:H | 17 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:653:PHE:HA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:653:PHE:HB2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:653:PHE:HB3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:653:PHE:HD1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:653:PHE:HD2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:653:PHE:HE1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:653:PHE:HE2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:653:PHE:HZ | 17 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:653:PHE:N | 17 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:653:PHE:O | 17 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:654:GLU:C | 17 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:654:GLU:CA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:654:GLU:CB | 17 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:654:GLU:CD | 17 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:654:GLU:CG | 17 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:654:GLU:H | 17 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:654:GLU:HA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:654:GLU:HB2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:654:GLU:HB3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:654:GLU:HG2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:654:GLU:HG3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:654:GLU:N | 17 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:654:GLU:O | 17 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:654:GLU:OE1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:654:GLU:OE2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:655:GLY:C | 17 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:655:GLY:CA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:655:GLY:H | 17 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:655:GLY:HA2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:655:GLY:HA3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:655:GLY:N | 17 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:655:GLY:O | 17 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:656:PHE:C | 17 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:656:PHE:CA | 17 | 0.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,33) | 1:A:251:THR:H | 2:B:656:PHE:CB | 17 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:656:PHE:CD1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:656:PHE:CD2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:656:PHE:CE1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:656:PHE:CE2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:656:PHE:CG | 17 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:656:PHE:CZ | 17 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:656:PHE:H | 17 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:656:PHE:HA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:656:PHE:HB2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:656:PHE:HB3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:656:PHE:HD1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:656:PHE:HD2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:656:PHE:HE1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:656:PHE:HE2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:656:PHE:HZ | 17 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:656:PHE:N | 17 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:656:PHE:O | 17 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:657:SEP:C | 17 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:657:SEP:CA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:657:SEP:CB | 17 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:657:SEP:H | 17 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:657:SEP:HA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:657:SEP:HB3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:657:SEP:N | 17 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:657:SEP:O | 17 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:657:SEP:O1P | 17 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:657:SEP:O2P | 17 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:657:SEP:O3P | 17 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:657:SEP:OG | 17 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:657:SEP:P | 17 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:658:TYR:C | 17 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:658:TYR:CA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:658:TYR:CB | 17 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:658:TYR:CD1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:658:TYR:CD2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:658:TYR:CE1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:658:TYR:CE2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:658:TYR:CG | 17 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:658:TYR:CZ | 17 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:658:TYR:H | 17 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:658:TYR:HA | 17 | 0.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (1,33) | 1:A:251:THR:H | 2:B:658:TYR:HB2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:658:TYR:HB3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:658:TYR:HD1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:658:TYR:HD2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:658:TYR:HE1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:658:TYR:HE2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:658:TYR:HH | 17 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:658:TYR:N | 17 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:658:TYR:O | 17 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:658:TYR:OH | 17 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:659:NH2:HN1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:659:NH2:HN2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:H | 2:B:659:NH2:N | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:648:ACE:C | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:648:ACE:CH3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:648:ACE:H1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:648:ACE:H2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:648:ACE:H3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:648:ACE:O | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:649:ASP:C | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:649:ASP:CA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:649:ASP:CB | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:649:ASP:CG | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:649:ASP:H | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:649:ASP:HA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:649:ASP:HB2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:649:ASP:HB3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:649:ASP:N | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:649:ASP:O | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:649:ASP:OD1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:649:ASP:OD2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:650:GLN:C | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:650:GLN:CA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:650:GLN:CB | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:650:GLN:CD | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:650:GLN:CG | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:650:GLN:H | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:650:GLN:HA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:650:GLN:HB2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:650:GLN:HB3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:650:GLN:HE21 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:650:GLN:HE22 | 17 | 0.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,33) | 1:A:251:THR:HA | 2:B:650:GLN:HG2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:650:GLN:HG3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:650:GLN:N | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:650:GLN:NE2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:650:GLN:O | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:650:GLN:OE1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:651:SER:C | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:651:SER:CA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:651:SER:CB | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:651:SER:H | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:651:SER:HA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:651:SER:HB2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:651:SER:HB3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:651:SER:HG | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:651:SER:N | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:651:SER:O | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:651:SER:OG | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:652:ASP:C | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:652:ASP:CA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:652:ASP:CB | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:652:ASP:CG | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:652:ASP:H | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:652:ASP:HA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:652:ASP:HB2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:652:ASP:HB3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:652:ASP:N | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:652:ASP:O | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:652:ASP:OD1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:652:ASP:OD2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:653:PHE:C | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:653:PHE:CA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:653:PHE:CB | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:653:PHE:CD1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:653:PHE:CD2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:653:PHE:CE1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:653:PHE:CE2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:653:PHE:CG | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:653:PHE:CZ | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:653:PHE:H | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:653:PHE:HA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:653:PHE:HB2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:653:PHE:HB3 | 17 | 0.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,33) | 1:A:251:THR:HA | 2:B:653:PHE:HD1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:653:PHE:HD2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:653:PHE:HE1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:653:PHE:HE2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:653:PHE:HZ | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:653:PHE:N | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:653:PHE:O | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:654:GLU:C | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:654:GLU:CA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:654:GLU:CB | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:654:GLU:CD | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:654:GLU:CG | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:654:GLU:H | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:654:GLU:HA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:654:GLU:HB2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:654:GLU:HB3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:654:GLU:HG2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:654:GLU:HG3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:654:GLU:N | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:654:GLU:O | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:654:GLU:OE1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:654:GLU:OE2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:655:GLY:C | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:655:GLY:CA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:655:GLY:H | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:655:GLY:HA2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:655:GLY:HA3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:655:GLY:N | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:655:GLY:O | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:656:PHE:C | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:656:PHE:CA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:656:PHE:CB | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:656:PHE:CD1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:656:PHE:CD2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:656:PHE:CE1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:656:PHE:CE2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:656:PHE:CG | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:656:PHE:CZ | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:656:PHE:H | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:656:PHE:HA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:656:PHE:HB2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:656:PHE:HB3 | 17 | 0.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,33) | 1:A:251:THR:HA | 2:B:656:PHE:HD1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:656:PHE:HD2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:656:PHE:HE1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:656:PHE:HE2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:656:PHE:HZ | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:656:PHE:N | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:656:PHE:O | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:657:SEP:C | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:657:SEP:CA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:657:SEP:CB | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:657:SEP:H | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:657:SEP:HA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:657:SEP:HB3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:657:SEP:N | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:657:SEP:O | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:657:SEP:O1P | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:657:SEP:O2P | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:657:SEP:O3P | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:657:SEP:OG | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:657:SEP:P | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:658:TYR:C | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:658:TYR:CA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:658:TYR:CB | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:658:TYR:CD1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:658:TYR:CD2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:658:TYR:CE1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:658:TYR:CE2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:658:TYR:CG | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:658:TYR:CZ | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:658:TYR:H | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:658:TYR:HA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:658:TYR:HB2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:658:TYR:HB3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:658:TYR:HD1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:658:TYR:HD2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:658:TYR:HE1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:658:TYR:HE2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:658:TYR:HH | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:658:TYR:N | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:658:TYR:O | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:658:TYR:OH | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:659:NH2:HN1 | 17 | 0.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (1,33) | 1:A:251:THR:HA | 2:B:659:NH2:HN2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HA | 2:B:659:NH2:N | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:648:ACE:C | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:648:ACE:CH3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:648:ACE:H1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:648:ACE:H2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:648:ACE:H3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:648:ACE:O | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:649:ASP:C | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:649:ASP:CA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:649:ASP:CB | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:649:ASP:CG | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:649:ASP:H | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:649:ASP:HA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:649:ASP:HB2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:649:ASP:HB3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:649:ASP:N | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:649:ASP:O | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:649:ASP:OD1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:649:ASP:OD2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:650:GLN:C | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:650:GLN:CA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:650:GLN:CB | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:650:GLN:CD | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:650:GLN:CG | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:650:GLN:H | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:650:GLN:HA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:650:GLN:HB2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:650:GLN:HB3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:650:GLN:HE21 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:650:GLN:HE22 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:650:GLN:HG2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:650:GLN:HG3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:650:GLN:N | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:650:GLN:NE2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:650:GLN:O | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:650:GLN:OE1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:651:SER:C | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:651:SER:CA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:651:SER:CB | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:651:SER:H | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:651:SER:HA | 17 | 0.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,33) | 1:A:251:THR:HB | 2:B:651:SER:HB2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:651:SER:HB3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:651:SER:HG | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:651:SER:N | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:651:SER:O | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:651:SER:OG | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:652:ASP:C | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:652:ASP:CA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:652:ASP:CB | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:652:ASP:CG | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:652:ASP:H | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:652:ASP:HA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:652:ASP:HB2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:652:ASP:HB3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:652:ASP:N | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:652:ASP:O | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:652:ASP:OD1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:652:ASP:OD2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:653:PHE:C | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:653:PHE:CA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:653:PHE:CB | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:653:PHE:CD1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:653:PHE:CD2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:653:PHE:CE1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:653:PHE:CE2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:653:PHE:CG | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:653:PHE:CZ | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:653:PHE:H | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:653:PHE:HA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:653:PHE:HB2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:653:PHE:HB3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:653:PHE:HD1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:653:PHE:HD2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:653:PHE:HE1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:653:PHE:HE2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:653:PHE:HZ | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:653:PHE:N | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:653:PHE:O | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:654:GLU:C | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:654:GLU:CA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:654:GLU:CB | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:654:GLU:CD | 17 | 0.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,33) | 1:A:251:THR:HB | 2:B:654:GLU:CG | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:654:GLU:H | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:654:GLU:HA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:654:GLU:HB2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:654:GLU:HB3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:654:GLU:HG2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:654:GLU:HG3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:654:GLU:N | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:654:GLU:O | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:654:GLU:OE1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:654:GLU:OE2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:655:GLY:C | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:655:GLY:CA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:655:GLY:H | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:655:GLY:HA2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:655:GLY:HA3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:655:GLY:N | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:655:GLY:O | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:656:PHE:C | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:656:PHE:CA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:656:PHE:CB | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:656:PHE:CD1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:656:PHE:CD2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:656:PHE:CE1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:656:PHE:CE2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:656:PHE:CG | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:656:PHE:CZ | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:656:PHE:H | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:656:PHE:HA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:656:PHE:HB2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:656:PHE:HB3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:656:PHE:HD1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:656:PHE:HD2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:656:PHE:HE1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:656:PHE:HE2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:656:PHE:HZ | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:656:PHE:N | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:656:PHE:O | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:657:SEP:C | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:657:SEP:CA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:657:SEP:CB | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:657:SEP:H | 17 | 0.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,33) | 1:A:251:THR:HB | 2:B:657:SEP:HA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:657:SEP:HB3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:657:SEP:N | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:657:SEP:O | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:657:SEP:O1P | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:657:SEP:O2P | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:657:SEP:O3P | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:657:SEP:OG | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:657:SEP:P | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:658:TYR:C | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:658:TYR:CA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:658:TYR:CB | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:658:TYR:CD1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:658:TYR:CD2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:658:TYR:CE1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:658:TYR:CE2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:658:TYR:CG | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:658:TYR:CZ | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:658:TYR:H | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:658:TYR:HA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:658:TYR:HB2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:658:TYR:HB3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:658:TYR:HD1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:658:TYR:HD2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:658:TYR:HE1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:658:TYR:HE2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:658:TYR:HH | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:658:TYR:N | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:658:TYR:O | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:658:TYR:OH | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:659:NH2:HN1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:659:NH2:HN2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HB | 2:B:659:NH2:N | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:648:ACE:C | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:648:ACE:CH3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:648:ACE:H1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:648:ACE:H2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:648:ACE:H3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:648:ACE:O | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:649:ASP:C | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:649:ASP:CA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:649:ASP:CB | 17 | 0.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|------------------|----------|---------------|
| (1,33) | 1:A:251:THR:HG1 | 2:B:649:ASP:CG | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:649:ASP:H | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:649:ASP:HA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:649:ASP:HB2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:649:ASP:HB3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:649:ASP:N | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:649:ASP:O | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:649:ASP:OD1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:649:ASP:OD2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:650:GLN:C | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:650:GLN:CA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:650:GLN:CB | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:650:GLN:CD | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:650:GLN:CG | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:650:GLN:H | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:650:GLN:HA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:650:GLN:HB2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:650:GLN:HB3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:650:GLN:HE21 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:650:GLN:HE22 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:650:GLN:HG2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:650:GLN:HG3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:650:GLN:N | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:650:GLN:NE2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:650:GLN:O | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:650:GLN:OE1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:651:SER:C | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:651:SER:CA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:651:SER:CB | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:651:SER:H | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:651:SER:HA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:651:SER:HB2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:651:SER:HB3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:651:SER:HG | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:651:SER:N | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:651:SER:O | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:651:SER:OG | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:652:ASP:C | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:652:ASP:CA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:652:ASP:CB | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:652:ASP:CG | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:652:ASP:H | 17 | 0.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,33) | 1:A:251:THR:HG1 | 2:B:652:ASP:HA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:652:ASP:HB2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:652:ASP:HB3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:652:ASP:N | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:652:ASP:O | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:652:ASP:OD1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:652:ASP:OD2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:653:PHE:C | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:653:PHE:CA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:653:PHE:CB | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:653:PHE:CD1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:653:PHE:CD2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:653:PHE:CE1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:653:PHE:CE2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:653:PHE:CG | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:653:PHE:CZ | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:653:PHE:H | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:653:PHE:HA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:653:PHE:HB2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:653:PHE:HB3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:653:PHE:HD1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:653:PHE:HD2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:653:PHE:HE1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:653:PHE:HE2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:653:PHE:HZ | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:653:PHE:N | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:653:PHE:O | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:654:GLU:C | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:654:GLU:CA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:654:GLU:CB | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:654:GLU:CD | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:654:GLU:CG | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:654:GLU:H | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:654:GLU:HA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:654:GLU:HB2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:654:GLU:HB3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:654:GLU:HG2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:654:GLU:HG3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:654:GLU:N | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:654:GLU:O | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:654:GLU:OE1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:654:GLU:OE2 | 17 | 0.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,33) | 1:A:251:THR:HG1 | 2:B:655:GLY:C | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:655:GLY:CA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:655:GLY:H | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:655:GLY:HA2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:655:GLY:HA3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:655:GLY:N | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:655:GLY:O | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:656:PHE:C | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:656:PHE:CA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:656:PHE:CB | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:656:PHE:CD1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:656:PHE:CD2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:656:PHE:CE1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:656:PHE:CE2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:656:PHE:CG | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:656:PHE:CZ | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:656:PHE:H | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:656:PHE:HA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:656:PHE:HB2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:656:PHE:HB3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:656:PHE:HD1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:656:PHE:HD2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:656:PHE:HE1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:656:PHE:HE2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:656:PHE:HZ | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:656:PHE:N | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:656:PHE:O | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:657:SEP:C | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:657:SEP:CA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:657:SEP:CB | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:657:SEP:H | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:657:SEP:HA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:657:SEP:HB3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:657:SEP:N | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:657:SEP:O | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:657:SEP:O1P | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:657:SEP:O2P | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:657:SEP:O3P | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:657:SEP:OG | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:657:SEP:P | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:658:TYR:C | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:658:TYR:CA | 17 | 0.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,33) | 1:A:251:THR:HG1 | 2:B:658:TYR:CB | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:658:TYR:CD1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:658:TYR:CD2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:658:TYR:CE1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:658:TYR:CE2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:658:TYR:CG | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:658:TYR:CZ | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:658:TYR:H | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:658:TYR:HA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:658:TYR:HB2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:658:TYR:HB3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:658:TYR:HD1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:658:TYR:HD2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:658:TYR:HE1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:658:TYR:HE2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:658:TYR:HH | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:658:TYR:N | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:658:TYR:O | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:658:TYR:OH | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:659:NH2:HN1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:659:NH2:HN2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG1 | 2:B:659:NH2:N | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:648:ACE:C | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:648:ACE:CH3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:648:ACE:H1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:648:ACE:H2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:648:ACE:H3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:648:ACE:O | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:649:ASP:C | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:649:ASP:CA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:649:ASP:CB | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:649:ASP:CG | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:649:ASP:H | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:649:ASP:HA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:649:ASP:HB2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:649:ASP:HB3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:649:ASP:N | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:649:ASP:O | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:649:ASP:OD1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:649:ASP:OD2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:650:GLN:C | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:650:GLN:CA | 17 | 0.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|------------------|----------|---------------|
| (1,33) | 1:A:251:THR:HG21 | 2:B:650:GLN:CB | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:650:GLN:CD | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:650:GLN:CG | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:650:GLN:H | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:650:GLN:HA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:650:GLN:HB2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:650:GLN:HB3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:650:GLN:HE21 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:650:GLN:HE22 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:650:GLN:HG2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:650:GLN:HG3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:650:GLN:N | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:650:GLN:NE2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:650:GLN:O | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:650:GLN:OE1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:651:SER:C | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:651:SER:CA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:651:SER:CB | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:651:SER:H | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:651:SER:HA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:651:SER:HB2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:651:SER:HB3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:651:SER:HG | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:651:SER:N | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:651:SER:O | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:651:SER:OG | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:652:ASP:C | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:652:ASP:CA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:652:ASP:CB | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:652:ASP:CG | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:652:ASP:H | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:652:ASP:HA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:652:ASP:HB2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:652:ASP:HB3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:652:ASP:N | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:652:ASP:O | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:652:ASP:OD1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:652:ASP:OD2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:653:PHE:C | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:653:PHE:CA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:653:PHE:CB | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:653:PHE:CD1 | 17 | 0.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,33) | 1:A:251:THR:HG21 | 2:B:653:PHE:CD2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:653:PHE:CE1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:653:PHE:CE2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:653:PHE:CG | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:653:PHE:CZ | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:653:PHE:H | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:653:PHE:HA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:653:PHE:HB2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:653:PHE:HB3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:653:PHE:HD1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:653:PHE:HD2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:653:PHE:HE1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:653:PHE:HE2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:653:PHE:HZ | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:653:PHE:N | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:653:PHE:O | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:654:GLU:C | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:654:GLU:CA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:654:GLU:CB | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:654:GLU:CD | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:654:GLU:CG | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:654:GLU:H | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:654:GLU:HA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:654:GLU:HB2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:654:GLU:HB3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:654:GLU:HG2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:654:GLU:HG3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:654:GLU:N | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:654:GLU:O | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:654:GLU:OE1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:654:GLU:OE2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:655:GLY:C | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:655:GLY:CA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:655:GLY:H | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:655:GLY:HA2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:655:GLY:HA3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:655:GLY:N | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:655:GLY:O | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:656:PHE:C | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:656:PHE:CA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:656:PHE:CB | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:656:PHE:CD1 | 17 | 0.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,33) | 1:A:251:THR:HG21 | 2:B:656:PHE:CD2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:656:PHE:CE1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:656:PHE:CE2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:656:PHE:CG | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:656:PHE:CZ | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:656:PHE:H | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:656:PHE:HA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:656:PHE:HB2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:656:PHE:HB3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:656:PHE:HD1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:656:PHE:HD2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:656:PHE:HE1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:656:PHE:HE2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:656:PHE:HZ | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:656:PHE:N | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:656:PHE:O | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:657:SEP:C | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:657:SEP:CA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:657:SEP:CB | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:657:SEP:H | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:657:SEP:HA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:657:SEP:HB3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:657:SEP:N | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:657:SEP:O | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:657:SEP:O1P | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:657:SEP:O2P | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:657:SEP:O3P | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:657:SEP:OG | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:657:SEP:P | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:658:TYR:C | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:658:TYR:CA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:658:TYR:CB | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:658:TYR:CD1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:658:TYR:CD2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:658:TYR:CE1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:658:TYR:CE2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:658:TYR:CG | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:658:TYR:CZ | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:658:TYR:H | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:658:TYR:HA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:658:TYR:HB2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:658:TYR:HB3 | 17 | 0.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|------------------|----------|---------------|
| (1,33) | 1:A:251:THR:HG21 | 2:B:658:TYR:HD1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:658:TYR:HD2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:658:TYR:HE1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:658:TYR:HE2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:658:TYR:HH | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:658:TYR:N | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:658:TYR:O | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:658:TYR:OH | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:659:NH2:HN1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:659:NH2:HN2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG21 | 2:B:659:NH2:N | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:648:ACE:C | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:648:ACE:CH3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:648:ACE:H1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:648:ACE:H2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:648:ACE:H3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:648:ACE:O | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:649:ASP:C | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:649:ASP:CA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:649:ASP:CB | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:649:ASP:CG | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:649:ASP:H | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:649:ASP:HA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:649:ASP:HB2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:649:ASP:HB3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:649:ASP:N | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:649:ASP:O | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:649:ASP:OD1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:649:ASP:OD2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:650:GLN:C | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:650:GLN:CA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:650:GLN:CB | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:650:GLN:CD | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:650:GLN:CG | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:650:GLN:H | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:650:GLN:HA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:650:GLN:HB2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:650:GLN:HB3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:650:GLN:HE21 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:650:GLN:HE22 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:650:GLN:HG2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:650:GLN:HG3 | 17 | 0.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,33) | 1:A:251:THR:HG22 | 2:B:650:GLN:N | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:650:GLN:NE2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:650:GLN:O | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:650:GLN:OE1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:651:SER:C | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:651:SER:CA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:651:SER:CB | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:651:SER:H | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:651:SER:HA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:651:SER:HB2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:651:SER:HB3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:651:SER:HG | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:651:SER:N | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:651:SER:O | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:651:SER:OG | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:652:ASP:C | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:652:ASP:CA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:652:ASP:CB | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:652:ASP:CG | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:652:ASP:H | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:652:ASP:HA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:652:ASP:HB2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:652:ASP:HB3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:652:ASP:N | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:652:ASP:O | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:652:ASP:OD1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:652:ASP:OD2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:653:PHE:C | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:653:PHE:CA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:653:PHE:CB | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:653:PHE:CD1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:653:PHE:CD2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:653:PHE:CE1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:653:PHE:CE2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:653:PHE:CG | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:653:PHE:CZ | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:653:PHE:H | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:653:PHE:HA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:653:PHE:HB2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:653:PHE:HB3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:653:PHE:HD1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:653:PHE:HD2 | 17 | 0.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,33) | 1:A:251:THR:HG22 | 2:B:653:PHE:HE1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:653:PHE:HE2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:653:PHE:HZ | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:653:PHE:N | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:653:PHE:O | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:654:GLU:C | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:654:GLU:CA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:654:GLU:CB | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:654:GLU:CD | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:654:GLU:CG | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:654:GLU:H | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:654:GLU:HA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:654:GLU:HB2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:654:GLU:HB3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:654:GLU:HG2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:654:GLU:HG3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:654:GLU:N | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:654:GLU:O | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:654:GLU:OE1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:654:GLU:OE2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:655:GLY:C | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:655:GLY:CA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:655:GLY:H | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:655:GLY:HA2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:655:GLY:HA3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:655:GLY:N | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:655:GLY:O | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:656:PHE:C | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:656:PHE:CA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:656:PHE:CB | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:656:PHE:CD1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:656:PHE:CD2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:656:PHE:CE1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:656:PHE:CE2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:656:PHE:CG | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:656:PHE:CZ | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:656:PHE:H | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:656:PHE:HA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:656:PHE:HB2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:656:PHE:HB3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:656:PHE:HD1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:656:PHE:HD2 | 17 | 0.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,33) | 1:A:251:THR:HG22 | 2:B:656:PHE:HE1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:656:PHE:HE2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:656:PHE:HZ | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:656:PHE:N | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:656:PHE:O | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:657:SEP:C | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:657:SEP:CA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:657:SEP:CB | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:657:SEP:H | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:657:SEP:HA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:657:SEP:HB3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:657:SEP:N | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:657:SEP:O | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:657:SEP:O1P | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:657:SEP:O2P | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:657:SEP:O3P | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:657:SEP:OG | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:657:SEP:P | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:658:TYR:C | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:658:TYR:CA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:658:TYR:CB | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:658:TYR:CD1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:658:TYR:CD2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:658:TYR:CE1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:658:TYR:CE2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:658:TYR:CG | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:658:TYR:CZ | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:658:TYR:H | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:658:TYR:HA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:658:TYR:HB2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:658:TYR:HB3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:658:TYR:HD1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:658:TYR:HD2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:658:TYR:HE1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:658:TYR:HE2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:658:TYR:HH | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:658:TYR:N | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:658:TYR:O | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:658:TYR:OH | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:659:NH2:HN1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:659:NH2:HN2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG22 | 2:B:659:NH2:N | 17 | 0.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|------------------|----------|---------------|
| (1,33) | 1:A:251:THR:HG23 | 2:B:648:ACE:C | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:648:ACE:CH3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:648:ACE:H1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:648:ACE:H2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:648:ACE:H3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:648:ACE:O | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:649:ASP:C | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:649:ASP:CA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:649:ASP:CB | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:649:ASP:CG | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:649:ASP:H | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:649:ASP:HA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:649:ASP:HB2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:649:ASP:HB3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:649:ASP:N | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:649:ASP:O | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:649:ASP:OD1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:649:ASP:OD2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:650:GLN:C | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:650:GLN:CA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:650:GLN:CB | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:650:GLN:CD | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:650:GLN:CG | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:650:GLN:H | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:650:GLN:HA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:650:GLN:HB2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:650:GLN:HB3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:650:GLN:HE21 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:650:GLN:HE22 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:650:GLN:HG2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:650:GLN:HG3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:650:GLN:N | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:650:GLN:NE2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:650:GLN:O | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:650:GLN:OE1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:651:SER:C | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:651:SER:CA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:651:SER:CB | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:651:SER:H | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:651:SER:HA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:651:SER:HB2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:651:SER:HB3 | 17 | 0.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,33) | 1:A:251:THR:HG23 | 2:B:651:SER:HG | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:651:SER:N | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:651:SER:O | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:651:SER:OG | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:652:ASP:C | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:652:ASP:CA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:652:ASP:CB | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:652:ASP:CG | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:652:ASP:H | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:652:ASP:HA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:652:ASP:HB2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:652:ASP:HB3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:652:ASP:N | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:652:ASP:O | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:652:ASP:OD1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:652:ASP:OD2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:653:PHE:C | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:653:PHE:CA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:653:PHE:CB | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:653:PHE:CD1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:653:PHE:CD2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:653:PHE:CE1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:653:PHE:CE2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:653:PHE:CG | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:653:PHE:CZ | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:653:PHE:H | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:653:PHE:HA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:653:PHE:HB2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:653:PHE:HB3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:653:PHE:HD1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:653:PHE:HD2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:653:PHE:HE1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:653:PHE:HE2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:653:PHE:HZ | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:653:PHE:N | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:653:PHE:O | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:654:GLU:C | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:654:GLU:CA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:654:GLU:CB | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:654:GLU:CD | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:654:GLU:CG | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:654:GLU:H | 17 | 0.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,33) | 1:A:251:THR:HG23 | 2:B:654:GLU:HA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:654:GLU:HB2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:654:GLU:HB3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:654:GLU:HG2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:654:GLU:HG3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:654:GLU:N | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:654:GLU:O | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:654:GLU:OE1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:654:GLU:OE2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:655:GLY:C | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:655:GLY:CA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:655:GLY:H | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:655:GLY:HA2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:655:GLY:HA3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:655:GLY:N | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:655:GLY:O | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:656:PHE:C | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:656:PHE:CA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:656:PHE:CB | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:656:PHE:CD1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:656:PHE:CD2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:656:PHE:CE1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:656:PHE:CE2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:656:PHE:CG | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:656:PHE:CZ | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:656:PHE:H | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:656:PHE:HA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:656:PHE:HB2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:656:PHE:HB3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:656:PHE:HD1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:656:PHE:HD2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:656:PHE:HE1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:656:PHE:HE2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:656:PHE:HZ | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:656:PHE:N | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:656:PHE:O | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:657:SEP:C | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:657:SEP:CA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:657:SEP:CB | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:657:SEP:H | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:657:SEP:HA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:657:SEP:HB3 | 17 | 0.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,33) | 1:A:251:THR:HG23 | 2:B:657:SEP:N | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:657:SEP:O | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:657:SEP:O1P | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:657:SEP:O2P | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:657:SEP:O3P | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:657:SEP:OG | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:657:SEP:P | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:658:TYR:C | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:658:TYR:CA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:658:TYR:CB | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:658:TYR:CD1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:658:TYR:CD2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:658:TYR:CE1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:658:TYR:CE2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:658:TYR:CG | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:658:TYR:CZ | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:658:TYR:H | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:658:TYR:HA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:658:TYR:HB2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:658:TYR:HB3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:658:TYR:HD1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:658:TYR:HD2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:658:TYR:HE1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:658:TYR:HE2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:658:TYR:HH | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:658:TYR:N | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:658:TYR:O | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:658:TYR:OH | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:659:NH2:HN1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:659:NH2:HN2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:HG23 | 2:B:659:NH2:N | 17 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:648:ACE:C | 17 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:648:ACE:CH3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:648:ACE:H1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:648:ACE:H2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:648:ACE:H3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:648:ACE:O | 17 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:649:ASP:C | 17 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:649:ASP:CA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:649:ASP:CB | 17 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:649:ASP:CG | 17 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:649:ASP:H | 17 | 0.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (1,33) | 1:A:251:THR:N | 2:B:649:ASP:HA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:649:ASP:HB2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:649:ASP:HB3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:649:ASP:N | 17 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:649:ASP:O | 17 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:649:ASP:OD1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:649:ASP:OD2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:650:GLN:C | 17 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:650:GLN:CA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:650:GLN:CB | 17 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:650:GLN:CD | 17 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:650:GLN:CG | 17 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:650:GLN:H | 17 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:650:GLN:HA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:650:GLN:HB2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:650:GLN:HB3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:650:GLN:HE21 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:650:GLN:HE22 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:650:GLN:HG2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:650:GLN:HG3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:650:GLN:N | 17 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:650:GLN:NE2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:650:GLN:O | 17 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:650:GLN:OE1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:651:SER:C | 17 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:651:SER:CA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:651:SER:CB | 17 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:651:SER:H | 17 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:651:SER:HA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:651:SER:HB2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:651:SER:HB3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:651:SER:HG | 17 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:651:SER:N | 17 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:651:SER:O | 17 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:651:SER:OG | 17 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:652:ASP:C | 17 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:652:ASP:CA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:652:ASP:CB | 17 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:652:ASP:CG | 17 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:652:ASP:H | 17 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:652:ASP:HA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:652:ASP:HB2 | 17 | 0.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,33) | 1:A:251:THR:N | 2:B:652:ASP:HB3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:652:ASP:N | 17 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:652:ASP:O | 17 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:652:ASP:OD1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:652:ASP:OD2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:653:PHE:C | 17 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:653:PHE:CA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:653:PHE:CB | 17 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:653:PHE:CD1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:653:PHE:CD2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:653:PHE:CE1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:653:PHE:CE2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:653:PHE:CG | 17 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:653:PHE:CZ | 17 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:653:PHE:H | 17 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:653:PHE:HA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:653:PHE:HB2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:653:PHE:HB3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:653:PHE:HD1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:653:PHE:HD2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:653:PHE:HE1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:653:PHE:HE2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:653:PHE:HZ | 17 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:653:PHE:N | 17 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:653:PHE:O | 17 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:654:GLU:C | 17 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:654:GLU:CA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:654:GLU:CB | 17 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:654:GLU:CD | 17 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:654:GLU:CG | 17 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:654:GLU:H | 17 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:654:GLU:HA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:654:GLU:HB2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:654:GLU:HB3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:654:GLU:HG2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:654:GLU:HG3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:654:GLU:N | 17 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:654:GLU:O | 17 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:654:GLU:OE1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:654:GLU:OE2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:655:GLY:C | 17 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:655:GLY:CA | 17 | 0.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,33) | 1:A:251:THR:N | 2:B:655:GLY:H | 17 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:655:GLY:HA2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:655:GLY:HA3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:655:GLY:N | 17 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:655:GLY:O | 17 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:656:PHE:C | 17 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:656:PHE:CA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:656:PHE:CB | 17 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:656:PHE:CD1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:656:PHE:CD2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:656:PHE:CE1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:656:PHE:CE2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:656:PHE:CG | 17 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:656:PHE:CZ | 17 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:656:PHE:H | 17 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:656:PHE:HA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:656:PHE:HB2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:656:PHE:HB3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:656:PHE:HD1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:656:PHE:HD2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:656:PHE:HE1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:656:PHE:HE2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:656:PHE:HZ | 17 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:656:PHE:N | 17 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:656:PHE:O | 17 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:657:SEP:C | 17 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:657:SEP:CA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:657:SEP:CB | 17 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:657:SEP:H | 17 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:657:SEP:HA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:657:SEP:HB3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:657:SEP:N | 17 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:657:SEP:O | 17 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:657:SEP:O1P | 17 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:657:SEP:O2P | 17 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:657:SEP:O3P | 17 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:657:SEP:OG | 17 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:657:SEP:P | 17 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:658:TYR:C | 17 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:658:TYR:CA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:658:TYR:CB | 17 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:658:TYR:CD1 | 17 | 0.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,33) | 1:A:251:THR:N | 2:B:658:TYR:CD2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:658:TYR:CE1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:658:TYR:CE2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:658:TYR:CG | 17 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:658:TYR:CZ | 17 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:658:TYR:H | 17 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:658:TYR:HA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:658:TYR:HB2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:658:TYR:HB3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:658:TYR:HD1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:658:TYR:HD2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:658:TYR:HE1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:658:TYR:HE2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:658:TYR:HH | 17 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:658:TYR:N | 17 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:658:TYR:O | 17 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:658:TYR:OH | 17 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:659:NH2:HN1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:659:NH2:HN2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:N | 2:B:659:NH2:N | 17 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:648:ACE:C | 17 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:648:ACE:CH3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:648:ACE:H1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:648:ACE:H2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:648:ACE:H3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:648:ACE:O | 17 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:649:ASP:C | 17 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:649:ASP:CA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:649:ASP:CB | 17 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:649:ASP:CG | 17 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:649:ASP:H | 17 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:649:ASP:HA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:649:ASP:HB2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:649:ASP:HB3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:649:ASP:N | 17 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:649:ASP:O | 17 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:649:ASP:OD1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:649:ASP:OD2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:650:GLN:C | 17 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:650:GLN:CA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:650:GLN:CB | 17 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:650:GLN:CD | 17 | 0.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (1,33) | 1:A:251:THR:O | 2:B:650:GLN:CG | 17 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:650:GLN:H | 17 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:650:GLN:HA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:650:GLN:HB2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:650:GLN:HB3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:650:GLN:HE21 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:650:GLN:HE22 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:650:GLN:HG2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:650:GLN:HG3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:650:GLN:N | 17 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:650:GLN:NE2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:650:GLN:O | 17 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:650:GLN:OE1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:651:SER:C | 17 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:651:SER:CA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:651:SER:CB | 17 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:651:SER:H | 17 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:651:SER:HA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:651:SER:HB2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:651:SER:HB3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:651:SER:HG | 17 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:651:SER:N | 17 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:651:SER:O | 17 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:651:SER:OG | 17 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:652:ASP:C | 17 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:652:ASP:CA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:652:ASP:CB | 17 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:652:ASP:CG | 17 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:652:ASP:H | 17 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:652:ASP:HA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:652:ASP:HB2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:652:ASP:HB3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:652:ASP:N | 17 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:652:ASP:O | 17 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:652:ASP:OD1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:652:ASP:OD2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:653:PHE:C | 17 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:653:PHE:CA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:653:PHE:CB | 17 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:653:PHE:CD1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:653:PHE:CD2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:653:PHE:CE1 | 17 | 0.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,33) | 1:A:251:THR:O | 2:B:653:PHE:CE2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:653:PHE:CG | 17 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:653:PHE:CZ | 17 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:653:PHE:H | 17 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:653:PHE:HA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:653:PHE:HB2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:653:PHE:HB3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:653:PHE:HD1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:653:PHE:HD2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:653:PHE:HE1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:653:PHE:HE2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:653:PHE:HZ | 17 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:653:PHE:N | 17 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:653:PHE:O | 17 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:654:GLU:C | 17 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:654:GLU:CA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:654:GLU:CB | 17 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:654:GLU:CD | 17 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:654:GLU:CG | 17 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:654:GLU:H | 17 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:654:GLU:HA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:654:GLU:HB2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:654:GLU:HB3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:654:GLU:HG2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:654:GLU:HG3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:654:GLU:N | 17 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:654:GLU:O | 17 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:654:GLU:OE1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:654:GLU:OE2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:655:GLY:C | 17 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:655:GLY:CA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:655:GLY:H | 17 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:655:GLY:HA2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:655:GLY:HA3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:655:GLY:N | 17 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:655:GLY:O | 17 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:656:PHE:C | 17 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:656:PHE:CA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:656:PHE:CB | 17 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:656:PHE:CD1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:656:PHE:CD2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:656:PHE:CE1 | 17 | 0.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,33) | 1:A:251:THR:O | 2:B:656:PHE:CE2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:656:PHE:CG | 17 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:656:PHE:CZ | 17 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:656:PHE:H | 17 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:656:PHE:HA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:656:PHE:HB2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:656:PHE:HB3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:656:PHE:HD1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:656:PHE:HD2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:656:PHE:HE1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:656:PHE:HE2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:656:PHE:HZ | 17 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:656:PHE:N | 17 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:656:PHE:O | 17 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:657:SEP:C | 17 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:657:SEP:CA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:657:SEP:CB | 17 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:657:SEP:H | 17 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:657:SEP:HA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:657:SEP:HB3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:657:SEP:N | 17 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:657:SEP:O | 17 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:657:SEP:O1P | 17 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:657:SEP:O2P | 17 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:657:SEP:O3P | 17 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:657:SEP:OG | 17 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:657:SEP:P | 17 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:658:TYR:C | 17 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:658:TYR:CA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:658:TYR:CB | 17 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:658:TYR:CD1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:658:TYR:CD2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:658:TYR:CE1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:658:TYR:CE2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:658:TYR:CG | 17 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:658:TYR:CZ | 17 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:658:TYR:H | 17 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:658:TYR:HA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:658:TYR:HB2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:658:TYR:HB3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:658:TYR:HD1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:658:TYR:HD2 | 17 | 0.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|------------------|----------|---------------|
| (1,33) | 1:A:251:THR:O | 2:B:658:TYR:HE1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:658:TYR:HE2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:658:TYR:HH | 17 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:658:TYR:N | 17 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:658:TYR:O | 17 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:658:TYR:OH | 17 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:659:NH2:HN1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:659:NH2:HN2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:O | 2:B:659:NH2:N | 17 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:648:ACE:C | 17 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:648:ACE:CH3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:648:ACE:H1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:648:ACE:H2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:648:ACE:H3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:648:ACE:O | 17 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:649:ASP:C | 17 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:649:ASP:CA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:649:ASP:CB | 17 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:649:ASP:CG | 17 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:649:ASP:H | 17 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:649:ASP:HA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:649:ASP:HB2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:649:ASP:HB3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:649:ASP:N | 17 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:649:ASP:O | 17 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:649:ASP:OD1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:649:ASP:OD2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:650:GLN:C | 17 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:650:GLN:CA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:650:GLN:CB | 17 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:650:GLN:CD | 17 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:650:GLN:CG | 17 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:650:GLN:H | 17 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:650:GLN:HA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:650:GLN:HB2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:650:GLN:HB3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:650:GLN:HE21 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:650:GLN:HE22 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:650:GLN:HG2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:650:GLN:HG3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:650:GLN:N | 17 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:650:GLN:NE2 | 17 | 0.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,33) | 1:A:251:THR:OG1 | 2:B:650:GLN:O | 17 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:650:GLN:OE1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:651:SER:C | 17 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:651:SER:CA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:651:SER:CB | 17 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:651:SER:H | 17 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:651:SER:HA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:651:SER:HB2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:651:SER:HB3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:651:SER:HG | 17 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:651:SER:N | 17 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:651:SER:O | 17 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:651:SER:OG | 17 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:652:ASP:C | 17 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:652:ASP:CA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:652:ASP:CB | 17 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:652:ASP:CG | 17 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:652:ASP:H | 17 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:652:ASP:HA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:652:ASP:HB2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:652:ASP:HB3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:652:ASP:N | 17 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:652:ASP:O | 17 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:652:ASP:OD1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:652:ASP:OD2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:653:PHE:C | 17 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:653:PHE:CA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:653:PHE:CB | 17 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:653:PHE:CD1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:653:PHE:CD2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:653:PHE:CE1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:653:PHE:CE2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:653:PHE:CG | 17 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:653:PHE:CZ | 17 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:653:PHE:H | 17 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:653:PHE:HA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:653:PHE:HB2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:653:PHE:HB3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:653:PHE:HD1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:653:PHE:HD2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:653:PHE:HE1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:653:PHE:HE2 | 17 | 0.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,33) | 1:A:251:THR:OG1 | 2:B:653:PHE:HZ | 17 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:653:PHE:N | 17 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:653:PHE:O | 17 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:654:GLU:C | 17 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:654:GLU:CA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:654:GLU:CB | 17 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:654:GLU:CD | 17 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:654:GLU:CG | 17 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:654:GLU:H | 17 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:654:GLU:HA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:654:GLU:HB2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:654:GLU:HB3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:654:GLU:HG2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:654:GLU:HG3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:654:GLU:N | 17 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:654:GLU:O | 17 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:654:GLU:OE1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:654:GLU:OE2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:655:GLY:C | 17 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:655:GLY:CA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:655:GLY:H | 17 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:655:GLY:HA2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:655:GLY:HA3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:655:GLY:N | 17 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:655:GLY:O | 17 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:656:PHE:C | 17 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:656:PHE:CA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:656:PHE:CB | 17 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:656:PHE:CD1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:656:PHE:CD2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:656:PHE:CE1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:656:PHE:CE2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:656:PHE:CG | 17 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:656:PHE:CZ | 17 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:656:PHE:H | 17 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:656:PHE:HA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:656:PHE:HB2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:656:PHE:HB3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:656:PHE:HD1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:656:PHE:HD2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:656:PHE:HE1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:656:PHE:HE2 | 17 | 0.23 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,33) | 1:A:251:THR:OG1 | 2:B:656:PHE:HZ | 17 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:656:PHE:N | 17 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:656:PHE:O | 17 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:657:SEP:C | 17 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:657:SEP:CA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:657:SEP:CB | 17 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:657:SEP:H | 17 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:657:SEP:HA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:657:SEP:HB3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:657:SEP:N | 17 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:657:SEP:O | 17 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:657:SEP:O1P | 17 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:657:SEP:O2P | 17 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:657:SEP:O3P | 17 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:657:SEP:OG | 17 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:657:SEP:P | 17 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:658:TYR:C | 17 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:658:TYR:CA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:658:TYR:CB | 17 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:658:TYR:CD1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:658:TYR:CD2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:658:TYR:CE1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:658:TYR:CE2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:658:TYR:CG | 17 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:658:TYR:CZ | 17 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:658:TYR:H | 17 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:658:TYR:HA | 17 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:658:TYR:HB2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:658:TYR:HB3 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:658:TYR:HD1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:658:TYR:HD2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:658:TYR:HE1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:658:TYR:HE2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:658:TYR:HH | 17 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:658:TYR:N | 17 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:658:TYR:O | 17 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:658:TYR:OH | 17 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:659:NH2:HN1 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:659:NH2:HN2 | 17 | 0.23 |
| (1,33) | 1:A:251:THR:OG1 | 2:B:659:NH2:N | 17 | 0.23 |
| (1,37) | 1:A:250:THR:C | 2:B:648:ACE:C | 20 | 0.16 |
| (1,37) | 1:A:250:THR:C | 2:B:648:ACE:CH3 | 20 | 0.16 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (1,37) | 1:A:250:THR:C | 2:B:648:ACE:H1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:C | 2:B:648:ACE:H2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:C | 2:B:648:ACE:H3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:C | 2:B:648:ACE:O | 20 | 0.16 |
| (1,37) | 1:A:250:THR:C | 2:B:649:ASP:C | 20 | 0.16 |
| (1,37) | 1:A:250:THR:C | 2:B:649:ASP:CA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:C | 2:B:649:ASP:CB | 20 | 0.16 |
| (1,37) | 1:A:250:THR:C | 2:B:649:ASP:CG | 20 | 0.16 |
| (1,37) | 1:A:250:THR:C | 2:B:649:ASP:H | 20 | 0.16 |
| (1,37) | 1:A:250:THR:C | 2:B:649:ASP:HA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:C | 2:B:649:ASP:HB2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:C | 2:B:649:ASP:HB3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:C | 2:B:649:ASP:N | 20 | 0.16 |
| (1,37) | 1:A:250:THR:C | 2:B:649:ASP:O | 20 | 0.16 |
| (1,37) | 1:A:250:THR:C | 2:B:649:ASP:OD1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:C | 2:B:649:ASP:OD2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:C | 2:B:650:GLN:C | 20 | 0.16 |
| (1,37) | 1:A:250:THR:C | 2:B:650:GLN:CA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:C | 2:B:650:GLN:CB | 20 | 0.16 |
| (1,37) | 1:A:250:THR:C | 2:B:650:GLN:CD | 20 | 0.16 |
| (1,37) | 1:A:250:THR:C | 2:B:650:GLN:CG | 20 | 0.16 |
| (1,37) | 1:A:250:THR:C | 2:B:650:GLN:H | 20 | 0.16 |
| (1,37) | 1:A:250:THR:C | 2:B:650:GLN:HA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:C | 2:B:650:GLN:HB2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:C | 2:B:650:GLN:HB3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:C | 2:B:650:GLN:HE21 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:C | 2:B:650:GLN:HE22 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:C | 2:B:650:GLN:HG2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:C | 2:B:650:GLN:HG3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:C | 2:B:650:GLN:N | 20 | 0.16 |
| (1,37) | 1:A:250:THR:C | 2:B:650:GLN:NE2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:C | 2:B:650:GLN:O | 20 | 0.16 |
| (1,37) | 1:A:250:THR:C | 2:B:650:GLN:OE1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:C | 2:B:651:SER:C | 20 | 0.16 |
| (1,37) | 1:A:250:THR:C | 2:B:651:SER:CA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:C | 2:B:651:SER:CB | 20 | 0.16 |
| (1,37) | 1:A:250:THR:C | 2:B:651:SER:H | 20 | 0.16 |
| (1,37) | 1:A:250:THR:C | 2:B:651:SER:HA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:C | 2:B:651:SER:HB2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:C | 2:B:651:SER:HB3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:C | 2:B:651:SER:HG | 20 | 0.16 |
| (1,37) | 1:A:250:THR:C | 2:B:651:SER:N | 20 | 0.16 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:C | 2:B:651:SER:O | 20 | 0.16 |
| (1,37) | 1:A:250:THR:C | 2:B:651:SER:OG | 20 | 0.16 |
| (1,37) | 1:A:250:THR:C | 2:B:652:ASP:C | 20 | 0.16 |
| (1,37) | 1:A:250:THR:C | 2:B:652:ASP:CA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:C | 2:B:652:ASP:CB | 20 | 0.16 |
| (1,37) | 1:A:250:THR:C | 2:B:652:ASP:CG | 20 | 0.16 |
| (1,37) | 1:A:250:THR:C | 2:B:652:ASP:H | 20 | 0.16 |
| (1,37) | 1:A:250:THR:C | 2:B:652:ASP:HA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:C | 2:B:652:ASP:HB2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:C | 2:B:652:ASP:HB3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:C | 2:B:652:ASP:N | 20 | 0.16 |
| (1,37) | 1:A:250:THR:C | 2:B:652:ASP:O | 20 | 0.16 |
| (1,37) | 1:A:250:THR:C | 2:B:652:ASP:OD1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:C | 2:B:652:ASP:OD2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:C | 20 | 0.16 |
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:CA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:CB | 20 | 0.16 |
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:CD1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:CD2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:CE1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:CE2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:CG | 20 | 0.16 |
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:CZ | 20 | 0.16 |
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:H | 20 | 0.16 |
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:HA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:HB2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:HB3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:HD1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:HD2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:HE1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:HE2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:HZ | 20 | 0.16 |
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:N | 20 | 0.16 |
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:O | 20 | 0.16 |
| (1,37) | 1:A:250:THR:C | 2:B:654:GLU:C | 20 | 0.16 |
| (1,37) | 1:A:250:THR:C | 2:B:654:GLU:CA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:C | 2:B:654:GLU:CB | 20 | 0.16 |
| (1,37) | 1:A:250:THR:C | 2:B:654:GLU:CD | 20 | 0.16 |
| (1,37) | 1:A:250:THR:C | 2:B:654:GLU:CG | 20 | 0.16 |
| (1,37) | 1:A:250:THR:C | 2:B:654:GLU:H | 20 | 0.16 |
| (1,37) | 1:A:250:THR:C | 2:B:654:GLU:HA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:C | 2:B:654:GLU:HB2 | 20 | 0.16 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:C | 2:B:654:GLU:HB3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:C | 2:B:654:GLU:HG2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:C | 2:B:654:GLU:HG3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:C | 2:B:654:GLU:N | 20 | 0.16 |
| (1,37) | 1:A:250:THR:C | 2:B:654:GLU:O | 20 | 0.16 |
| (1,37) | 1:A:250:THR:C | 2:B:654:GLU:OE1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:C | 2:B:654:GLU:OE2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:C | 2:B:655:GLY:C | 20 | 0.16 |
| (1,37) | 1:A:250:THR:C | 2:B:655:GLY:CA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:C | 2:B:655:GLY:H | 20 | 0.16 |
| (1,37) | 1:A:250:THR:C | 2:B:655:GLY:HA2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:C | 2:B:655:GLY:HA3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:C | 2:B:655:GLY:N | 20 | 0.16 |
| (1,37) | 1:A:250:THR:C | 2:B:655:GLY:O | 20 | 0.16 |
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:C | 20 | 0.16 |
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:CA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:CB | 20 | 0.16 |
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:CD1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:CD2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:CE1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:CE2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:CG | 20 | 0.16 |
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:CZ | 20 | 0.16 |
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:H | 20 | 0.16 |
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:HA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:HB2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:HB3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:HD1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:HD2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:HE1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:HE2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:HZ | 20 | 0.16 |
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:N | 20 | 0.16 |
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:O | 20 | 0.16 |
| (1,37) | 1:A:250:THR:C | 2:B:657:SEP:C | 20 | 0.16 |
| (1,37) | 1:A:250:THR:C | 2:B:657:SEP:CA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:C | 2:B:657:SEP:CB | 20 | 0.16 |
| (1,37) | 1:A:250:THR:C | 2:B:657:SEP:H | 20 | 0.16 |
| (1,37) | 1:A:250:THR:C | 2:B:657:SEP:HA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:C | 2:B:657:SEP:HB3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:C | 2:B:657:SEP:N | 20 | 0.16 |
| (1,37) | 1:A:250:THR:C | 2:B:657:SEP:O | 20 | 0.16 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:C | 2:B:657:SEP:O1P | 20 | 0.16 |
| (1,37) | 1:A:250:THR:C | 2:B:657:SEP:O2P | 20 | 0.16 |
| (1,37) | 1:A:250:THR:C | 2:B:657:SEP:O3P | 20 | 0.16 |
| (1,37) | 1:A:250:THR:C | 2:B:657:SEP:OG | 20 | 0.16 |
| (1,37) | 1:A:250:THR:C | 2:B:657:SEP:P | 20 | 0.16 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:C | 20 | 0.16 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:CA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:CB | 20 | 0.16 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:CD1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:CD2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:CE1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:CE2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:CG | 20 | 0.16 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:CZ | 20 | 0.16 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:H | 20 | 0.16 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:HA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:HB2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:HB3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:HD1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:HD2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:HE1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:HE2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:HH | 20 | 0.16 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:N | 20 | 0.16 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:O | 20 | 0.16 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:OH | 20 | 0.16 |
| (1,37) | 1:A:250:THR:C | 2:B:659:NH2:HN1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:C | 2:B:659:NH2:HN2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:C | 2:B:659:NH2:N | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CA | 2:B:648:ACE:C | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CA | 2:B:648:ACE:CH3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CA | 2:B:648:ACE:H1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CA | 2:B:648:ACE:H2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CA | 2:B:648:ACE:H3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CA | 2:B:648:ACE:O | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CA | 2:B:649:ASP:C | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CA | 2:B:649:ASP:CA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CA | 2:B:649:ASP:CB | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CA | 2:B:649:ASP:CG | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CA | 2:B:649:ASP:H | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CA | 2:B:649:ASP:HA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CA | 2:B:649:ASP:HB2 | 20 | 0.16 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (1,37) | 1:A:250:THR:CA | 2:B:649:ASP:HB3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CA | 2:B:649:ASP:N | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CA | 2:B:649:ASP:O | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CA | 2:B:649:ASP:OD1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CA | 2:B:649:ASP:OD2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CA | 2:B:650:GLN:C | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CA | 2:B:650:GLN:CA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CA | 2:B:650:GLN:CB | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CA | 2:B:650:GLN:CD | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CA | 2:B:650:GLN:CG | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CA | 2:B:650:GLN:H | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CA | 2:B:650:GLN:HA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CA | 2:B:650:GLN:HB2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CA | 2:B:650:GLN:HB3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CA | 2:B:650:GLN:HE21 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CA | 2:B:650:GLN:HE22 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CA | 2:B:650:GLN:HG2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CA | 2:B:650:GLN:HG3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CA | 2:B:650:GLN:N | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CA | 2:B:650:GLN:NE2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CA | 2:B:650:GLN:O | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CA | 2:B:650:GLN:OE1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CA | 2:B:651:SER:C | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CA | 2:B:651:SER:CA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CA | 2:B:651:SER:CB | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CA | 2:B:651:SER:H | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CA | 2:B:651:SER:HA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CA | 2:B:651:SER:HB2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CA | 2:B:651:SER:HB3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CA | 2:B:651:SER:HG | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CA | 2:B:651:SER:N | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CA | 2:B:651:SER:O | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CA | 2:B:651:SER:OG | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CA | 2:B:652:ASP:C | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CA | 2:B:652:ASP:CA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CA | 2:B:652:ASP:CB | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CA | 2:B:652:ASP:CG | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CA | 2:B:652:ASP:H | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CA | 2:B:652:ASP:HA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CA | 2:B:652:ASP:HB2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CA | 2:B:652:ASP:HB3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CA | 2:B:652:ASP:N | 20 | 0.16 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:CA | 2:B:652:ASP:O | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CA | 2:B:652:ASP:OD1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CA | 2:B:652:ASP:OD2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:C | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:CA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:CB | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:CD1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:CD2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:CE1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:CE2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:CG | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:CZ | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:H | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:HA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:HB2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:HB3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:HD1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:HD2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:HE1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:HE2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:HZ | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:N | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:O | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CA | 2:B:654:GLU:C | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CA | 2:B:654:GLU:CA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CA | 2:B:654:GLU:CB | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CA | 2:B:654:GLU:CD | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CA | 2:B:654:GLU:CG | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CA | 2:B:654:GLU:H | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CA | 2:B:654:GLU:HA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CA | 2:B:654:GLU:HB2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CA | 2:B:654:GLU:HB3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CA | 2:B:654:GLU:HG2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CA | 2:B:654:GLU:HG3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CA | 2:B:654:GLU:N | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CA | 2:B:654:GLU:O | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CA | 2:B:654:GLU:OE1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CA | 2:B:654:GLU:OE2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CA | 2:B:655:GLY:C | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CA | 2:B:655:GLY:CA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CA | 2:B:655:GLY:H | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CA | 2:B:655:GLY:HA2 | 20 | 0.16 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:CA | 2:B:655:GLY:HA3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CA | 2:B:655:GLY:N | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CA | 2:B:655:GLY:O | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:C | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:CA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:CB | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:CD1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:CD2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:CE1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:CE2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:CG | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:CZ | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:H | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:HA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:HB2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:HB3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:HD1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:HD2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:HE1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:HE2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:HZ | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:N | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:O | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CA | 2:B:657:SEP:C | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CA | 2:B:657:SEP:CA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CA | 2:B:657:SEP:CB | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CA | 2:B:657:SEP:H | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CA | 2:B:657:SEP:HA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CA | 2:B:657:SEP:HB3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CA | 2:B:657:SEP:N | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CA | 2:B:657:SEP:O | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CA | 2:B:657:SEP:O1P | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CA | 2:B:657:SEP:O2P | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CA | 2:B:657:SEP:O3P | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CA | 2:B:657:SEP:OG | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CA | 2:B:657:SEP:P | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:C | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:CA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:CB | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:CD1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:CD2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:CE1 | 20 | 0.16 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:CE2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:CG | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:CZ | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:H | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:HA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:HB2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:HB3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:HD1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:HD2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:HE1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:HE2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:HH | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:N | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:O | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:OH | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CA | 2:B:659:NH2:HN1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CA | 2:B:659:NH2:HN2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CA | 2:B:659:NH2:N | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CB | 2:B:648:ACE:C | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CB | 2:B:648:ACE:CH3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CB | 2:B:648:ACE:H1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CB | 2:B:648:ACE:H2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CB | 2:B:648:ACE:H3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CB | 2:B:648:ACE:O | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CB | 2:B:649:ASP:C | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CB | 2:B:649:ASP:CA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CB | 2:B:649:ASP:CB | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CB | 2:B:649:ASP:CG | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CB | 2:B:649:ASP:H | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CB | 2:B:649:ASP:HA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CB | 2:B:649:ASP:HB2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CB | 2:B:649:ASP:HB3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CB | 2:B:649:ASP:N | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CB | 2:B:649:ASP:O | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CB | 2:B:649:ASP:OD1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CB | 2:B:649:ASP:OD2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CB | 2:B:650:GLN:C | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CB | 2:B:650:GLN:CA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CB | 2:B:650:GLN:CB | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CB | 2:B:650:GLN:CD | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CB | 2:B:650:GLN:CG | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CB | 2:B:650:GLN:H | 20 | 0.16 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (1,37) | 1:A:250:THR:CB | 2:B:650:GLN:HA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CB | 2:B:650:GLN:HB2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CB | 2:B:650:GLN:HB3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CB | 2:B:650:GLN:HE21 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CB | 2:B:650:GLN:HE22 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CB | 2:B:650:GLN:HG2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CB | 2:B:650:GLN:HG3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CB | 2:B:650:GLN:N | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CB | 2:B:650:GLN:NE2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CB | 2:B:650:GLN:O | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CB | 2:B:650:GLN:OE1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CB | 2:B:651:SER:C | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CB | 2:B:651:SER:CA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CB | 2:B:651:SER:CB | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CB | 2:B:651:SER:H | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CB | 2:B:651:SER:HA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CB | 2:B:651:SER:HB2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CB | 2:B:651:SER:HB3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CB | 2:B:651:SER:HG | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CB | 2:B:651:SER:N | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CB | 2:B:651:SER:O | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CB | 2:B:651:SER:OG | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CB | 2:B:652:ASP:C | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CB | 2:B:652:ASP:CA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CB | 2:B:652:ASP:CB | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CB | 2:B:652:ASP:CG | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CB | 2:B:652:ASP:H | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CB | 2:B:652:ASP:HA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CB | 2:B:652:ASP:HB2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CB | 2:B:652:ASP:HB3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CB | 2:B:652:ASP:N | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CB | 2:B:652:ASP:O | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CB | 2:B:652:ASP:OD1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CB | 2:B:652:ASP:OD2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:C | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:CA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:CB | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:CD1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:CD2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:CE1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:CE2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:CG | 20 | 0.16 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:CZ | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:H | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:HA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:HB2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:HB3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:HD1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:HD2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:HE1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:HE2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:HZ | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:N | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:O | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CB | 2:B:654:GLU:C | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CB | 2:B:654:GLU:CA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CB | 2:B:654:GLU:CB | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CB | 2:B:654:GLU:CD | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CB | 2:B:654:GLU:CG | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CB | 2:B:654:GLU:H | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CB | 2:B:654:GLU:HA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CB | 2:B:654:GLU:HB2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CB | 2:B:654:GLU:HB3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CB | 2:B:654:GLU:HG2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CB | 2:B:654:GLU:HG3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CB | 2:B:654:GLU:N | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CB | 2:B:654:GLU:O | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CB | 2:B:654:GLU:OE1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CB | 2:B:654:GLU:OE2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CB | 2:B:655:GLY:C | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CB | 2:B:655:GLY:CA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CB | 2:B:655:GLY:H | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CB | 2:B:655:GLY:HA2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CB | 2:B:655:GLY:HA3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CB | 2:B:655:GLY:N | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CB | 2:B:655:GLY:O | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:C | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:CA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:CB | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:CD1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:CD2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:CE1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:CE2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:CG | 20 | 0.16 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:CZ | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:H | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:HA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:HB2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:HB3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:HD1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:HD2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:HE1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:HE2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:HZ | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:N | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:O | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CB | 2:B:657:SEP:C | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CB | 2:B:657:SEP:CA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CB | 2:B:657:SEP:CB | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CB | 2:B:657:SEP:H | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CB | 2:B:657:SEP:HA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CB | 2:B:657:SEP:HB3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CB | 2:B:657:SEP:N | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CB | 2:B:657:SEP:O | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CB | 2:B:657:SEP:O1P | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CB | 2:B:657:SEP:O2P | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CB | 2:B:657:SEP:O3P | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CB | 2:B:657:SEP:OG | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CB | 2:B:657:SEP:P | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:C | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:CA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:CB | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:CD1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:CD2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:CE1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:CE2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:CG | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:CZ | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:H | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:HA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:HB2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:HB3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:HD1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:HD2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:HE1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:HE2 | 20 | 0.16 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|------------------|----------|---------------|
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:HH | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:N | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:O | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:OH | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CB | 2:B:659:NH2:HN1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CB | 2:B:659:NH2:HN2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CB | 2:B:659:NH2:N | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:648:ACE:C | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:648:ACE:CH3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:648:ACE:H1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:648:ACE:H2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:648:ACE:H3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:648:ACE:O | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:649:ASP:C | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:649:ASP:CA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:649:ASP:CB | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:649:ASP:CG | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:649:ASP:H | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:649:ASP:HA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:649:ASP:HB2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:649:ASP:HB3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:649:ASP:N | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:649:ASP:O | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:649:ASP:OD1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:649:ASP:OD2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:650:GLN:C | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:650:GLN:CA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:650:GLN:CB | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:650:GLN:CD | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:650:GLN:CG | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:650:GLN:H | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:650:GLN:HA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:650:GLN:HB2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:650:GLN:HB3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:650:GLN:HE21 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:650:GLN:HE22 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:650:GLN:HG2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:650:GLN:HG3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:650:GLN:N | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:650:GLN:NE2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:650:GLN:O | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:650:GLN:OE1 | 20 | 0.16 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:CG2 | 2:B:651:SER:C | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:651:SER:CA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:651:SER:CB | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:651:SER:H | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:651:SER:HA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:651:SER:HB2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:651:SER:HB3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:651:SER:HG | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:651:SER:N | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:651:SER:O | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:651:SER:OG | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:652:ASP:C | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:652:ASP:CA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:652:ASP:CB | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:652:ASP:CG | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:652:ASP:H | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:652:ASP:HA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:652:ASP:HB2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:652:ASP:HB3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:652:ASP:N | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:652:ASP:O | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:652:ASP:OD1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:652:ASP:OD2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:C | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:CA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:CB | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:CD1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:CD2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:CE1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:CE2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:CG | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:CZ | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:H | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:HA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:HB2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:HB3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:HD1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:HD2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:HE1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:HE2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:HZ | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:N | 20 | 0.16 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:O | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:654:GLU:C | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:654:GLU:CA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:654:GLU:CB | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:654:GLU:CD | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:654:GLU:CG | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:654:GLU:H | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:654:GLU:HA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:654:GLU:HB2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:654:GLU:HB3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:654:GLU:HG2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:654:GLU:HG3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:654:GLU:N | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:654:GLU:O | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:654:GLU:OE1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:654:GLU:OE2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:655:GLY:C | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:655:GLY:CA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:655:GLY:H | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:655:GLY:HA2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:655:GLY:HA3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:655:GLY:N | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:655:GLY:O | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:C | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:CA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:CB | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:CD1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:CD2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:CE1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:CE2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:CG | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:CZ | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:H | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:HA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:HB2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:HB3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:HD1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:HD2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:HE1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:HE2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:HZ | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:N | 20 | 0.16 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:O | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:657:SEP:C | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:657:SEP:CA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:657:SEP:CB | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:657:SEP:H | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:657:SEP:HA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:657:SEP:HB3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:657:SEP:N | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:657:SEP:O | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:657:SEP:O1P | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:657:SEP:O2P | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:657:SEP:O3P | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:657:SEP:OG | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:657:SEP:P | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:C | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:CA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:CB | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:CD1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:CD2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:CE1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:CE2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:CG | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:CZ | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:H | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:HA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:HB2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:HB3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:HD1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:HD2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:HE1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:HE2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:HH | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:N | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:O | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:OH | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:659:NH2:HN1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:659:NH2:HN2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:659:NH2:N | 20 | 0.16 |
| (1,37) | 1:A:250:THR:H | 2:B:648:ACE:C | 20 | 0.16 |
| (1,37) | 1:A:250:THR:H | 2:B:648:ACE:CH3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:H | 2:B:648:ACE:H1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:H | 2:B:648:ACE:H2 | 20 | 0.16 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (1,37) | 1:A:250:THR:H | 2:B:648:ACE:H3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:H | 2:B:648:ACE:O | 20 | 0.16 |
| (1,37) | 1:A:250:THR:H | 2:B:649:ASP:C | 20 | 0.16 |
| (1,37) | 1:A:250:THR:H | 2:B:649:ASP:CA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:H | 2:B:649:ASP:CB | 20 | 0.16 |
| (1,37) | 1:A:250:THR:H | 2:B:649:ASP:CG | 20 | 0.16 |
| (1,37) | 1:A:250:THR:H | 2:B:649:ASP:H | 20 | 0.16 |
| (1,37) | 1:A:250:THR:H | 2:B:649:ASP:HA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:H | 2:B:649:ASP:HB2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:H | 2:B:649:ASP:HB3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:H | 2:B:649:ASP:N | 20 | 0.16 |
| (1,37) | 1:A:250:THR:H | 2:B:649:ASP:O | 20 | 0.16 |
| (1,37) | 1:A:250:THR:H | 2:B:649:ASP:OD1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:H | 2:B:649:ASP:OD2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:H | 2:B:650:GLN:C | 20 | 0.16 |
| (1,37) | 1:A:250:THR:H | 2:B:650:GLN:CA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:H | 2:B:650:GLN:CB | 20 | 0.16 |
| (1,37) | 1:A:250:THR:H | 2:B:650:GLN:CD | 20 | 0.16 |
| (1,37) | 1:A:250:THR:H | 2:B:650:GLN:CG | 20 | 0.16 |
| (1,37) | 1:A:250:THR:H | 2:B:650:GLN:H | 20 | 0.16 |
| (1,37) | 1:A:250:THR:H | 2:B:650:GLN:HA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:H | 2:B:650:GLN:HB2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:H | 2:B:650:GLN:HB3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:H | 2:B:650:GLN:HE21 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:H | 2:B:650:GLN:HE22 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:H | 2:B:650:GLN:HG2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:H | 2:B:650:GLN:HG3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:H | 2:B:650:GLN:N | 20 | 0.16 |
| (1,37) | 1:A:250:THR:H | 2:B:650:GLN:NE2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:H | 2:B:650:GLN:O | 20 | 0.16 |
| (1,37) | 1:A:250:THR:H | 2:B:650:GLN:OE1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:H | 2:B:651:SER:C | 20 | 0.16 |
| (1,37) | 1:A:250:THR:H | 2:B:651:SER:CA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:H | 2:B:651:SER:CB | 20 | 0.16 |
| (1,37) | 1:A:250:THR:H | 2:B:651:SER:H | 20 | 0.16 |
| (1,37) | 1:A:250:THR:H | 2:B:651:SER:HA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:H | 2:B:651:SER:HB2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:H | 2:B:651:SER:HB3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:H | 2:B:651:SER:HG | 20 | 0.16 |
| (1,37) | 1:A:250:THR:H | 2:B:651:SER:N | 20 | 0.16 |
| (1,37) | 1:A:250:THR:H | 2:B:651:SER:O | 20 | 0.16 |
| (1,37) | 1:A:250:THR:H | 2:B:651:SER:OG | 20 | 0.16 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:H | 2:B:652:ASP:C | 20 | 0.16 |
| (1,37) | 1:A:250:THR:H | 2:B:652:ASP:CA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:H | 2:B:652:ASP:CB | 20 | 0.16 |
| (1,37) | 1:A:250:THR:H | 2:B:652:ASP:CG | 20 | 0.16 |
| (1,37) | 1:A:250:THR:H | 2:B:652:ASP:H | 20 | 0.16 |
| (1,37) | 1:A:250:THR:H | 2:B:652:ASP:HA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:H | 2:B:652:ASP:HB2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:H | 2:B:652:ASP:HB3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:H | 2:B:652:ASP:N | 20 | 0.16 |
| (1,37) | 1:A:250:THR:H | 2:B:652:ASP:O | 20 | 0.16 |
| (1,37) | 1:A:250:THR:H | 2:B:652:ASP:OD1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:H | 2:B:652:ASP:OD2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:C | 20 | 0.16 |
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:CA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:CB | 20 | 0.16 |
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:CD1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:CD2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:CE1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:CE2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:CG | 20 | 0.16 |
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:CZ | 20 | 0.16 |
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:H | 20 | 0.16 |
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:HA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:HB2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:HB3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:HD1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:HD2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:HE1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:HE2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:HZ | 20 | 0.16 |
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:N | 20 | 0.16 |
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:O | 20 | 0.16 |
| (1,37) | 1:A:250:THR:H | 2:B:654:GLU:C | 20 | 0.16 |
| (1,37) | 1:A:250:THR:H | 2:B:654:GLU:CA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:H | 2:B:654:GLU:CB | 20 | 0.16 |
| (1,37) | 1:A:250:THR:H | 2:B:654:GLU:CD | 20 | 0.16 |
| (1,37) | 1:A:250:THR:H | 2:B:654:GLU:CG | 20 | 0.16 |
| (1,37) | 1:A:250:THR:H | 2:B:654:GLU:H | 20 | 0.16 |
| (1,37) | 1:A:250:THR:H | 2:B:654:GLU:HA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:H | 2:B:654:GLU:HB2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:H | 2:B:654:GLU:HB3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:H | 2:B:654:GLU:HG2 | 20 | 0.16 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:H | 2:B:654:GLU:HG3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:H | 2:B:654:GLU:N | 20 | 0.16 |
| (1,37) | 1:A:250:THR:H | 2:B:654:GLU:O | 20 | 0.16 |
| (1,37) | 1:A:250:THR:H | 2:B:654:GLU:OE1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:H | 2:B:654:GLU:OE2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:H | 2:B:655:GLY:C | 20 | 0.16 |
| (1,37) | 1:A:250:THR:H | 2:B:655:GLY:CA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:H | 2:B:655:GLY:H | 20 | 0.16 |
| (1,37) | 1:A:250:THR:H | 2:B:655:GLY:HA2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:H | 2:B:655:GLY:HA3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:H | 2:B:655:GLY:N | 20 | 0.16 |
| (1,37) | 1:A:250:THR:H | 2:B:655:GLY:O | 20 | 0.16 |
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:C | 20 | 0.16 |
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:CA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:CB | 20 | 0.16 |
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:CD1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:CD2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:CE1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:CE2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:CG | 20 | 0.16 |
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:CZ | 20 | 0.16 |
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:H | 20 | 0.16 |
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:HA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:HB2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:HB3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:HD1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:HD2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:HE1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:HE2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:HZ | 20 | 0.16 |
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:N | 20 | 0.16 |
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:O | 20 | 0.16 |
| (1,37) | 1:A:250:THR:H | 2:B:657:SEP:C | 20 | 0.16 |
| (1,37) | 1:A:250:THR:H | 2:B:657:SEP:CA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:H | 2:B:657:SEP:CB | 20 | 0.16 |
| (1,37) | 1:A:250:THR:H | 2:B:657:SEP:H | 20 | 0.16 |
| (1,37) | 1:A:250:THR:H | 2:B:657:SEP:HA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:H | 2:B:657:SEP:HB3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:H | 2:B:657:SEP:N | 20 | 0.16 |
| (1,37) | 1:A:250:THR:H | 2:B:657:SEP:O | 20 | 0.16 |
| (1,37) | 1:A:250:THR:H | 2:B:657:SEP:O1P | 20 | 0.16 |
| (1,37) | 1:A:250:THR:H | 2:B:657:SEP:O2P | 20 | 0.16 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:H | 2:B:657:SEP:O3P | 20 | 0.16 |
| (1,37) | 1:A:250:THR:H | 2:B:657:SEP:OG | 20 | 0.16 |
| (1,37) | 1:A:250:THR:H | 2:B:657:SEP:P | 20 | 0.16 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:C | 20 | 0.16 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:CA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:CB | 20 | 0.16 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:CD1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:CD2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:CE1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:CE2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:CG | 20 | 0.16 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:CZ | 20 | 0.16 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:H | 20 | 0.16 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:HA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:HB2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:HB3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:HD1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:HD2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:HE1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:HE2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:HH | 20 | 0.16 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:N | 20 | 0.16 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:O | 20 | 0.16 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:OH | 20 | 0.16 |
| (1,37) | 1:A:250:THR:H | 2:B:659:NH2:HN1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:H | 2:B:659:NH2:HN2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:H | 2:B:659:NH2:N | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HA | 2:B:648:ACE:C | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HA | 2:B:648:ACE:CH3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HA | 2:B:648:ACE:H1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HA | 2:B:648:ACE:H2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HA | 2:B:648:ACE:H3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HA | 2:B:648:ACE:O | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HA | 2:B:649:ASP:C | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HA | 2:B:649:ASP:CA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HA | 2:B:649:ASP:CB | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HA | 2:B:649:ASP:CG | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HA | 2:B:649:ASP:H | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HA | 2:B:649:ASP:HA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HA | 2:B:649:ASP:HB2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HA | 2:B:649:ASP:HB3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HA | 2:B:649:ASP:N | 20 | 0.16 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (1,37) | 1:A:250:THR:HA | 2:B:649:ASP:O | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HA | 2:B:649:ASP:OD1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HA | 2:B:649:ASP:OD2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HA | 2:B:650:GLN:C | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HA | 2:B:650:GLN:CA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HA | 2:B:650:GLN:CB | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HA | 2:B:650:GLN:CD | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HA | 2:B:650:GLN:CG | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HA | 2:B:650:GLN:H | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HA | 2:B:650:GLN:HA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HA | 2:B:650:GLN:HB2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HA | 2:B:650:GLN:HB3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HA | 2:B:650:GLN:HE21 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HA | 2:B:650:GLN:HE22 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HA | 2:B:650:GLN:HG2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HA | 2:B:650:GLN:HG3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HA | 2:B:650:GLN:N | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HA | 2:B:650:GLN:NE2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HA | 2:B:650:GLN:O | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HA | 2:B:650:GLN:OE1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HA | 2:B:651:SER:C | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HA | 2:B:651:SER:CA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HA | 2:B:651:SER:CB | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HA | 2:B:651:SER:H | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HA | 2:B:651:SER:HA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HA | 2:B:651:SER:HB2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HA | 2:B:651:SER:HB3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HA | 2:B:651:SER:HG | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HA | 2:B:651:SER:N | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HA | 2:B:651:SER:O | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HA | 2:B:651:SER:OG | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HA | 2:B:652:ASP:C | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HA | 2:B:652:ASP:CA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HA | 2:B:652:ASP:CB | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HA | 2:B:652:ASP:CG | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HA | 2:B:652:ASP:H | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HA | 2:B:652:ASP:HA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HA | 2:B:652:ASP:HB2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HA | 2:B:652:ASP:HB3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HA | 2:B:652:ASP:N | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HA | 2:B:652:ASP:O | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HA | 2:B:652:ASP:OD1 | 20 | 0.16 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:HA | 2:B:652:ASP:OD2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:C | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:CA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:CB | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:CD1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:CD2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:CE1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:CE2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:CG | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:CZ | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:H | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:HA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:HB2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:HB3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:HD1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:HD2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:HE1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:HE2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:HZ | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:N | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:O | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HA | 2:B:654:GLU:C | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HA | 2:B:654:GLU:CA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HA | 2:B:654:GLU:CB | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HA | 2:B:654:GLU:CD | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HA | 2:B:654:GLU:CG | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HA | 2:B:654:GLU:H | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HA | 2:B:654:GLU:HA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HA | 2:B:654:GLU:HB2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HA | 2:B:654:GLU:HB3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HA | 2:B:654:GLU:HG2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HA | 2:B:654:GLU:HG3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HA | 2:B:654:GLU:N | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HA | 2:B:654:GLU:O | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HA | 2:B:654:GLU:OE1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HA | 2:B:654:GLU:OE2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HA | 2:B:655:GLY:C | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HA | 2:B:655:GLY:CA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HA | 2:B:655:GLY:H | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HA | 2:B:655:GLY:HA2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HA | 2:B:655:GLY:HA3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HA | 2:B:655:GLY:N | 20 | 0.16 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:HA | 2:B:655:GLY:O | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:C | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:CA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:CB | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:CD1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:CD2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:CE1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:CE2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:CG | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:CZ | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:H | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:HA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:HB2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:HB3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:HD1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:HD2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:HE1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:HE2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:HZ | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:N | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:O | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HA | 2:B:657:SEP:C | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HA | 2:B:657:SEP:CA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HA | 2:B:657:SEP:CB | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HA | 2:B:657:SEP:H | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HA | 2:B:657:SEP:HA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HA | 2:B:657:SEP:HB3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HA | 2:B:657:SEP:N | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HA | 2:B:657:SEP:O | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HA | 2:B:657:SEP:O1P | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HA | 2:B:657:SEP:O2P | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HA | 2:B:657:SEP:O3P | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HA | 2:B:657:SEP:OG | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HA | 2:B:657:SEP:P | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:C | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:CA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:CB | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:CD1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:CD2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:CE1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:CE2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:CG | 20 | 0.16 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:CZ | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:H | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:HA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:HB2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:HB3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:HD1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:HD2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:HE1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:HE2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:HH | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:N | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:O | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:OH | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HA | 2:B:659:NH2:HN1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HA | 2:B:659:NH2:HN2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HA | 2:B:659:NH2:N | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HB | 2:B:648:ACE:C | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HB | 2:B:648:ACE:CH3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HB | 2:B:648:ACE:H1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HB | 2:B:648:ACE:H2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HB | 2:B:648:ACE:H3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HB | 2:B:648:ACE:O | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HB | 2:B:649:ASP:C | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HB | 2:B:649:ASP:CA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HB | 2:B:649:ASP:CB | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HB | 2:B:649:ASP:CG | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HB | 2:B:649:ASP:H | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HB | 2:B:649:ASP:HA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HB | 2:B:649:ASP:HB2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HB | 2:B:649:ASP:HB3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HB | 2:B:649:ASP:N | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HB | 2:B:649:ASP:O | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HB | 2:B:649:ASP:OD1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HB | 2:B:649:ASP:OD2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HB | 2:B:650:GLN:C | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HB | 2:B:650:GLN:CA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HB | 2:B:650:GLN:CB | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HB | 2:B:650:GLN:CD | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HB | 2:B:650:GLN:CG | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HB | 2:B:650:GLN:H | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HB | 2:B:650:GLN:HA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HB | 2:B:650:GLN:HB2 | 20 | 0.16 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (1,37) | 1:A:250:THR:HB | 2:B:650:GLN:HB3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HB | 2:B:650:GLN:HE21 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HB | 2:B:650:GLN:HE22 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HB | 2:B:650:GLN:HG2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HB | 2:B:650:GLN:HG3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HB | 2:B:650:GLN:N | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HB | 2:B:650:GLN:NE2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HB | 2:B:650:GLN:O | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HB | 2:B:650:GLN:OE1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HB | 2:B:651:SER:C | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HB | 2:B:651:SER:CA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HB | 2:B:651:SER:CB | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HB | 2:B:651:SER:H | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HB | 2:B:651:SER:HA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HB | 2:B:651:SER:HB2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HB | 2:B:651:SER:HB3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HB | 2:B:651:SER:HG | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HB | 2:B:651:SER:N | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HB | 2:B:651:SER:O | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HB | 2:B:651:SER:OG | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HB | 2:B:652:ASP:C | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HB | 2:B:652:ASP:CA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HB | 2:B:652:ASP:CB | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HB | 2:B:652:ASP:CG | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HB | 2:B:652:ASP:H | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HB | 2:B:652:ASP:HA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HB | 2:B:652:ASP:HB2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HB | 2:B:652:ASP:HB3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HB | 2:B:652:ASP:N | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HB | 2:B:652:ASP:O | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HB | 2:B:652:ASP:OD1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HB | 2:B:652:ASP:OD2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:C | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:CA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:CB | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:CD1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:CD2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:CE1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:CE2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:CG | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:CZ | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:H | 20 | 0.16 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:HA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:HB2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:HB3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:HD1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:HD2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:HE1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:HE2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:HZ | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:N | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:O | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HB | 2:B:654:GLU:C | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HB | 2:B:654:GLU:CA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HB | 2:B:654:GLU:CB | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HB | 2:B:654:GLU:CD | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HB | 2:B:654:GLU:CG | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HB | 2:B:654:GLU:H | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HB | 2:B:654:GLU:HA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HB | 2:B:654:GLU:HB2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HB | 2:B:654:GLU:HB3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HB | 2:B:654:GLU:HG2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HB | 2:B:654:GLU:HG3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HB | 2:B:654:GLU:N | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HB | 2:B:654:GLU:O | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HB | 2:B:654:GLU:OE1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HB | 2:B:654:GLU:OE2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HB | 2:B:655:GLY:C | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HB | 2:B:655:GLY:CA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HB | 2:B:655:GLY:H | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HB | 2:B:655:GLY:HA2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HB | 2:B:655:GLY:HA3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HB | 2:B:655:GLY:N | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HB | 2:B:655:GLY:O | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:C | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:CA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:CB | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:CD1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:CD2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:CE1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:CE2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:CG | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:CZ | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:H | 20 | 0.16 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:HA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:HB2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:HB3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:HD1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:HD2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:HE1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:HE2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:HZ | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:N | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:O | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HB | 2:B:657:SEP:C | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HB | 2:B:657:SEP:CA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HB | 2:B:657:SEP:CB | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HB | 2:B:657:SEP:H | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HB | 2:B:657:SEP:HA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HB | 2:B:657:SEP:HB3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HB | 2:B:657:SEP:N | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HB | 2:B:657:SEP:O | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HB | 2:B:657:SEP:O1P | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HB | 2:B:657:SEP:O2P | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HB | 2:B:657:SEP:O3P | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HB | 2:B:657:SEP:OG | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HB | 2:B:657:SEP:P | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:C | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:CA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:CB | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:CD1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:CD2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:CE1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:CE2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:CG | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:CZ | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:H | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:HA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:HB2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:HB3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:HD1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:HD2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:HE1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:HE2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:HH | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:N | 20 | 0.16 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|------------------|----------|---------------|
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:O | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:OH | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HB | 2:B:659:NH2:HN1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HB | 2:B:659:NH2:HN2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HB | 2:B:659:NH2:N | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:648:ACE:C | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:648:ACE:CH3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:648:ACE:H1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:648:ACE:H2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:648:ACE:H3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:648:ACE:O | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:649:ASP:C | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:649:ASP:CA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:649:ASP:CB | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:649:ASP:CG | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:649:ASP:H | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:649:ASP:HA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:649:ASP:HB2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:649:ASP:HB3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:649:ASP:N | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:649:ASP:O | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:649:ASP:OD1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:649:ASP:OD2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:650:GLN:C | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:650:GLN:CA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:650:GLN:CB | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:650:GLN:CD | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:650:GLN:CG | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:650:GLN:H | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:650:GLN:HA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:650:GLN:HB2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:650:GLN:HB3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:650:GLN:HE21 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:650:GLN:HE22 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:650:GLN:HG2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:650:GLN:HG3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:650:GLN:N | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:650:GLN:NE2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:650:GLN:O | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:650:GLN:OE1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:651:SER:C | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:651:SER:CA | 20 | 0.16 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:HG1 | 2:B:651:SER:CB | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:651:SER:H | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:651:SER:HA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:651:SER:HB2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:651:SER:HB3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:651:SER:HG | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:651:SER:N | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:651:SER:O | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:651:SER:OG | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:652:ASP:C | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:652:ASP:CA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:652:ASP:CB | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:652:ASP:CG | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:652:ASP:H | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:652:ASP:HA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:652:ASP:HB2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:652:ASP:HB3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:652:ASP:N | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:652:ASP:O | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:652:ASP:OD1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:652:ASP:OD2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:C | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:CA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:CB | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:CD1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:CD2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:CE1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:CE2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:CG | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:CZ | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:H | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:HA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:HB2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:HB3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:HD1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:HD2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:HE1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:HE2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:HZ | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:N | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:O | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:654:GLU:C | 20 | 0.16 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:HG1 | 2:B:654:GLU:CA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:654:GLU:CB | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:654:GLU:CD | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:654:GLU:CG | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:654:GLU:H | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:654:GLU:HA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:654:GLU:HB2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:654:GLU:HB3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:654:GLU:HG2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:654:GLU:HG3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:654:GLU:N | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:654:GLU:O | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:654:GLU:OE1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:654:GLU:OE2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:655:GLY:C | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:655:GLY:CA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:655:GLY:H | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:655:GLY:HA2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:655:GLY:HA3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:655:GLY:N | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:655:GLY:O | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:C | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:CA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:CB | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:CD1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:CD2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:CE1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:CE2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:CG | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:CZ | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:H | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:HA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:HB2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:HB3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:HD1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:HD2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:HE1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:HE2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:HZ | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:N | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:O | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:657:SEP:C | 20 | 0.16 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:HG1 | 2:B:657:SEP:CA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:657:SEP:CB | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:657:SEP:H | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:657:SEP:HA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:657:SEP:HB3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:657:SEP:N | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:657:SEP:O | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:657:SEP:O1P | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:657:SEP:O2P | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:657:SEP:O3P | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:657:SEP:OG | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:657:SEP:P | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:C | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:CA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:CB | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:CD1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:CD2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:CE1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:CE2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:CG | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:CZ | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:H | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:HA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:HB2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:HB3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:HD1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:HD2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:HE1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:HE2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:HH | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:N | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:O | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:OH | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:659:NH2:HN1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:659:NH2:HN2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:659:NH2:N | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:648:ACE:C | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:648:ACE:CH3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:648:ACE:H1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:648:ACE:H2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:648:ACE:H3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:648:ACE:O | 20 | 0.16 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|------------------|----------|---------------|
| (1,37) | 1:A:250:THR:HG21 | 2:B:649:ASP:C | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:649:ASP:CA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:649:ASP:CB | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:649:ASP:CG | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:649:ASP:H | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:649:ASP:HA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:649:ASP:HB2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:649:ASP:HB3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:649:ASP:N | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:649:ASP:O | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:649:ASP:OD1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:649:ASP:OD2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:650:GLN:C | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:650:GLN:CA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:650:GLN:CB | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:650:GLN:CD | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:650:GLN:CG | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:650:GLN:H | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:650:GLN:HA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:650:GLN:HB2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:650:GLN:HB3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:650:GLN:HE21 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:650:GLN:HE22 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:650:GLN:HG2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:650:GLN:HG3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:650:GLN:N | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:650:GLN:NE2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:650:GLN:O | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:650:GLN:OE1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:651:SER:C | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:651:SER:CA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:651:SER:CB | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:651:SER:H | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:651:SER:HA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:651:SER:HB2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:651:SER:HB3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:651:SER:HG | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:651:SER:N | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:651:SER:O | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:651:SER:OG | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:652:ASP:C | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:652:ASP:CA | 20 | 0.16 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:HG21 | 2:B:652:ASP:CB | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:652:ASP:CG | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:652:ASP:H | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:652:ASP:HA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:652:ASP:HB2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:652:ASP:HB3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:652:ASP:N | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:652:ASP:O | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:652:ASP:OD1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:652:ASP:OD2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:C | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:CA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:CB | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:CD1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:CD2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:CE1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:CE2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:CG | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:CZ | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:H | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:HA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:HB2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:HB3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:HD1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:HD2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:HE1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:HE2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:HZ | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:N | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:O | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:654:GLU:C | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:654:GLU:CA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:654:GLU:CB | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:654:GLU:CD | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:654:GLU:CG | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:654:GLU:H | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:654:GLU:HA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:654:GLU:HB2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:654:GLU:HB3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:654:GLU:HG2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:654:GLU:HG3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:654:GLU:N | 20 | 0.16 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:HG21 | 2:B:654:GLU:O | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:654:GLU:OE1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:654:GLU:OE2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:655:GLY:C | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:655:GLY:CA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:655:GLY:H | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:655:GLY:HA2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:655:GLY:HA3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:655:GLY:N | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:655:GLY:O | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:C | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:CA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:CB | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:CD1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:CD2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:CE1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:CE2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:CG | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:CZ | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:H | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:HA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:HB2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:HB3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:HD1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:HD2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:HE1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:HE2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:HZ | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:N | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:O | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:657:SEP:C | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:657:SEP:CA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:657:SEP:CB | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:657:SEP:H | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:657:SEP:HA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:657:SEP:HB3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:657:SEP:N | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:657:SEP:O | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:657:SEP:O1P | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:657:SEP:O2P | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:657:SEP:O3P | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:657:SEP:OG | 20 | 0.16 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:HG21 | 2:B:657:SEP:P | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:C | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:CA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:CB | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:CD1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:CD2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:CE1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:CE2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:CG | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:CZ | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:H | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:HA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:HB2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:HB3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:HD1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:HD2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:HE1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:HE2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:HH | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:N | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:O | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:OH | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:659:NH2:HN1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:659:NH2:HN2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:659:NH2:N | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:648:ACE:C | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:648:ACE:CH3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:648:ACE:H1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:648:ACE:H2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:648:ACE:H3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:648:ACE:O | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:649:ASP:C | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:649:ASP:CA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:649:ASP:CB | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:649:ASP:CG | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:649:ASP:H | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:649:ASP:HA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:649:ASP:HB2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:649:ASP:HB3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:649:ASP:N | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:649:ASP:O | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:649:ASP:OD1 | 20 | 0.16 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|------------------|----------|---------------|
| (1,37) | 1:A:250:THR:HG22 | 2:B:649:ASP:OD2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:650:GLN:C | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:650:GLN:CA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:650:GLN:CB | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:650:GLN:CD | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:650:GLN:CG | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:650:GLN:H | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:650:GLN:HA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:650:GLN:HB2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:650:GLN:HB3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:650:GLN:HE21 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:650:GLN:HE22 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:650:GLN:HG2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:650:GLN:HG3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:650:GLN:N | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:650:GLN:NE2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:650:GLN:O | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:650:GLN:OE1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:651:SER:C | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:651:SER:CA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:651:SER:CB | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:651:SER:H | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:651:SER:HA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:651:SER:HB2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:651:SER:HB3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:651:SER:HG | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:651:SER:N | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:651:SER:O | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:651:SER:OG | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:652:ASP:C | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:652:ASP:CA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:652:ASP:CB | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:652:ASP:CG | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:652:ASP:H | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:652:ASP:HA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:652:ASP:HB2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:652:ASP:HB3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:652:ASP:N | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:652:ASP:O | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:652:ASP:OD1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:652:ASP:OD2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:C | 20 | 0.16 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:CA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:CB | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:CD1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:CD2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:CE1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:CE2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:CG | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:CZ | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:H | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:HA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:HB2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:HB3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:HD1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:HD2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:HE1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:HE2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:HZ | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:N | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:O | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:654:GLU:C | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:654:GLU:CA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:654:GLU:CB | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:654:GLU:CD | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:654:GLU:CG | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:654:GLU:H | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:654:GLU:HA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:654:GLU:HB2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:654:GLU:HB3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:654:GLU:HG2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:654:GLU:HG3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:654:GLU:N | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:654:GLU:O | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:654:GLU:OE1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:654:GLU:OE2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:655:GLY:C | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:655:GLY:CA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:655:GLY:H | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:655:GLY:HA2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:655:GLY:HA3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:655:GLY:N | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:655:GLY:O | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:C | 20 | 0.16 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:CA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:CB | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:CD1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:CD2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:CE1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:CE2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:CG | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:CZ | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:H | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:HA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:HB2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:HB3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:HD1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:HD2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:HE1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:HE2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:HZ | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:N | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:O | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:657:SEP:C | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:657:SEP:CA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:657:SEP:CB | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:657:SEP:H | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:657:SEP:HA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:657:SEP:HB3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:657:SEP:N | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:657:SEP:O | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:657:SEP:O1P | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:657:SEP:O2P | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:657:SEP:O3P | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:657:SEP:OG | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:657:SEP:P | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:C | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:CA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:CB | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:CD1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:CD2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:CE1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:CE2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:CG | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:CZ | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:H | 20 | 0.16 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|------------------|----------|---------------|
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:HA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:HB2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:HB3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:HD1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:HD2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:HE1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:HE2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:HH | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:N | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:O | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:OH | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:659:NH2:HN1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:659:NH2:HN2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:659:NH2:N | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:648:ACE:C | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:648:ACE:CH3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:648:ACE:H1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:648:ACE:H2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:648:ACE:H3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:648:ACE:O | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:649:ASP:C | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:649:ASP:CA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:649:ASP:CB | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:649:ASP:CG | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:649:ASP:H | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:649:ASP:HA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:649:ASP:HB2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:649:ASP:HB3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:649:ASP:N | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:649:ASP:O | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:649:ASP:OD1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:649:ASP:OD2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:650:GLN:C | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:650:GLN:CA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:650:GLN:CB | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:650:GLN:CD | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:650:GLN:CG | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:650:GLN:H | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:650:GLN:HA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:650:GLN:HB2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:650:GLN:HB3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:650:GLN:HE21 | 20 | 0.16 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|------------------|----------|---------------|
| (1,37) | 1:A:250:THR:HG23 | 2:B:650:GLN:HE22 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:650:GLN:HG2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:650:GLN:HG3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:650:GLN:N | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:650:GLN:NE2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:650:GLN:O | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:650:GLN:OE1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:651:SER:C | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:651:SER:CA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:651:SER:CB | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:651:SER:H | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:651:SER:HA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:651:SER:HB2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:651:SER:HB3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:651:SER:HG | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:651:SER:N | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:651:SER:O | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:651:SER:OG | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:652:ASP:C | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:652:ASP:CA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:652:ASP:CB | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:652:ASP:CG | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:652:ASP:H | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:652:ASP:HA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:652:ASP:HB2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:652:ASP:HB3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:652:ASP:N | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:652:ASP:O | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:652:ASP:OD1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:652:ASP:OD2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:C | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:CA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:CB | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:CD1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:CD2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:CE1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:CE2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:CG | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:CZ | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:H | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:HA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:HB2 | 20 | 0.16 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:HB3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:HD1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:HD2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:HE1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:HE2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:HZ | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:N | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:O | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:654:GLU:C | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:654:GLU:CA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:654:GLU:CB | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:654:GLU:CD | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:654:GLU:CG | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:654:GLU:H | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:654:GLU:HA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:654:GLU:HB2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:654:GLU:HB3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:654:GLU:HG2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:654:GLU:HG3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:654:GLU:N | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:654:GLU:O | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:654:GLU:OE1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:654:GLU:OE2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:655:GLY:C | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:655:GLY:CA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:655:GLY:H | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:655:GLY:HA2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:655:GLY:HA3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:655:GLY:N | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:655:GLY:O | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:C | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:CA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:CB | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:CD1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:CD2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:CE1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:CE2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:CG | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:CZ | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:H | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:HA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:HB2 | 20 | 0.16 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:HB3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:HD1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:HD2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:HE1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:HE2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:HZ | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:N | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:O | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:657:SEP:C | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:657:SEP:CA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:657:SEP:CB | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:657:SEP:H | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:657:SEP:HA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:657:SEP:HB3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:657:SEP:N | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:657:SEP:O | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:657:SEP:O1P | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:657:SEP:O2P | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:657:SEP:O3P | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:657:SEP:OG | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:657:SEP:P | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:C | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:CA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:CB | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:CD1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:CD2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:CE1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:CE2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:CG | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:CZ | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:H | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:HA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:HB2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:HB3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:HD1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:HD2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:HE1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:HE2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:HH | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:N | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:O | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:OH | 20 | 0.16 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|------------------|----------|---------------|
| (1,37) | 1:A:250:THR:HG23 | 2:B:659:NH2:HN1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:659:NH2:HN2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:659:NH2:N | 20 | 0.16 |
| (1,37) | 1:A:250:THR:N | 2:B:648:ACE:C | 20 | 0.16 |
| (1,37) | 1:A:250:THR:N | 2:B:648:ACE:CH3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:N | 2:B:648:ACE:H1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:N | 2:B:648:ACE:H2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:N | 2:B:648:ACE:H3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:N | 2:B:648:ACE:O | 20 | 0.16 |
| (1,37) | 1:A:250:THR:N | 2:B:649:ASP:C | 20 | 0.16 |
| (1,37) | 1:A:250:THR:N | 2:B:649:ASP:CA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:N | 2:B:649:ASP:CB | 20 | 0.16 |
| (1,37) | 1:A:250:THR:N | 2:B:649:ASP:CG | 20 | 0.16 |
| (1,37) | 1:A:250:THR:N | 2:B:649:ASP:H | 20 | 0.16 |
| (1,37) | 1:A:250:THR:N | 2:B:649:ASP:HA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:N | 2:B:649:ASP:HB2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:N | 2:B:649:ASP:HB3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:N | 2:B:649:ASP:N | 20 | 0.16 |
| (1,37) | 1:A:250:THR:N | 2:B:649:ASP:O | 20 | 0.16 |
| (1,37) | 1:A:250:THR:N | 2:B:649:ASP:OD1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:N | 2:B:649:ASP:OD2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:N | 2:B:650:GLN:C | 20 | 0.16 |
| (1,37) | 1:A:250:THR:N | 2:B:650:GLN:CA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:N | 2:B:650:GLN:CB | 20 | 0.16 |
| (1,37) | 1:A:250:THR:N | 2:B:650:GLN:CD | 20 | 0.16 |
| (1,37) | 1:A:250:THR:N | 2:B:650:GLN:CG | 20 | 0.16 |
| (1,37) | 1:A:250:THR:N | 2:B:650:GLN:H | 20 | 0.16 |
| (1,37) | 1:A:250:THR:N | 2:B:650:GLN:HA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:N | 2:B:650:GLN:HB2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:N | 2:B:650:GLN:HB3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:N | 2:B:650:GLN:HE21 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:N | 2:B:650:GLN:HE22 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:N | 2:B:650:GLN:HG2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:N | 2:B:650:GLN:HG3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:N | 2:B:650:GLN:N | 20 | 0.16 |
| (1,37) | 1:A:250:THR:N | 2:B:650:GLN:NE2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:N | 2:B:650:GLN:O | 20 | 0.16 |
| (1,37) | 1:A:250:THR:N | 2:B:650:GLN:OE1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:N | 2:B:651:SER:C | 20 | 0.16 |
| (1,37) | 1:A:250:THR:N | 2:B:651:SER:CA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:N | 2:B:651:SER:CB | 20 | 0.16 |
| (1,37) | 1:A:250:THR:N | 2:B:651:SER:H | 20 | 0.16 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:N | 2:B:651:SER:HA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:N | 2:B:651:SER:HB2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:N | 2:B:651:SER:HB3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:N | 2:B:651:SER:HG | 20 | 0.16 |
| (1,37) | 1:A:250:THR:N | 2:B:651:SER:N | 20 | 0.16 |
| (1,37) | 1:A:250:THR:N | 2:B:651:SER:O | 20 | 0.16 |
| (1,37) | 1:A:250:THR:N | 2:B:651:SER:OG | 20 | 0.16 |
| (1,37) | 1:A:250:THR:N | 2:B:652:ASP:C | 20 | 0.16 |
| (1,37) | 1:A:250:THR:N | 2:B:652:ASP:CA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:N | 2:B:652:ASP:CB | 20 | 0.16 |
| (1,37) | 1:A:250:THR:N | 2:B:652:ASP:CG | 20 | 0.16 |
| (1,37) | 1:A:250:THR:N | 2:B:652:ASP:H | 20 | 0.16 |
| (1,37) | 1:A:250:THR:N | 2:B:652:ASP:HA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:N | 2:B:652:ASP:HB2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:N | 2:B:652:ASP:HB3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:N | 2:B:652:ASP:N | 20 | 0.16 |
| (1,37) | 1:A:250:THR:N | 2:B:652:ASP:O | 20 | 0.16 |
| (1,37) | 1:A:250:THR:N | 2:B:652:ASP:OD1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:N | 2:B:652:ASP:OD2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:C | 20 | 0.16 |
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:CA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:CB | 20 | 0.16 |
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:CD1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:CD2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:CE1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:CE2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:CG | 20 | 0.16 |
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:CZ | 20 | 0.16 |
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:H | 20 | 0.16 |
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:HA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:HB2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:HB3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:HD1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:HD2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:HE1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:HE2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:HZ | 20 | 0.16 |
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:N | 20 | 0.16 |
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:O | 20 | 0.16 |
| (1,37) | 1:A:250:THR:N | 2:B:654:GLU:C | 20 | 0.16 |
| (1,37) | 1:A:250:THR:N | 2:B:654:GLU:CA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:N | 2:B:654:GLU:CB | 20 | 0.16 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:N | 2:B:654:GLU:CD | 20 | 0.16 |
| (1,37) | 1:A:250:THR:N | 2:B:654:GLU:CG | 20 | 0.16 |
| (1,37) | 1:A:250:THR:N | 2:B:654:GLU:H | 20 | 0.16 |
| (1,37) | 1:A:250:THR:N | 2:B:654:GLU:HA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:N | 2:B:654:GLU:HB2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:N | 2:B:654:GLU:HB3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:N | 2:B:654:GLU:HG2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:N | 2:B:654:GLU:HG3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:N | 2:B:654:GLU:N | 20 | 0.16 |
| (1,37) | 1:A:250:THR:N | 2:B:654:GLU:O | 20 | 0.16 |
| (1,37) | 1:A:250:THR:N | 2:B:654:GLU:OE1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:N | 2:B:654:GLU:OE2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:N | 2:B:655:GLY:C | 20 | 0.16 |
| (1,37) | 1:A:250:THR:N | 2:B:655:GLY:CA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:N | 2:B:655:GLY:H | 20 | 0.16 |
| (1,37) | 1:A:250:THR:N | 2:B:655:GLY:HA2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:N | 2:B:655:GLY:HA3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:N | 2:B:655:GLY:N | 20 | 0.16 |
| (1,37) | 1:A:250:THR:N | 2:B:655:GLY:O | 20 | 0.16 |
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:C | 20 | 0.16 |
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:CA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:CB | 20 | 0.16 |
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:CD1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:CD2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:CE1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:CE2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:CG | 20 | 0.16 |
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:CZ | 20 | 0.16 |
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:H | 20 | 0.16 |
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:HA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:HB2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:HB3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:HD1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:HD2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:HE1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:HE2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:HZ | 20 | 0.16 |
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:N | 20 | 0.16 |
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:O | 20 | 0.16 |
| (1,37) | 1:A:250:THR:N | 2:B:657:SEP:C | 20 | 0.16 |
| (1,37) | 1:A:250:THR:N | 2:B:657:SEP:CA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:N | 2:B:657:SEP:CB | 20 | 0.16 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:N | 2:B:657:SEP:H | 20 | 0.16 |
| (1,37) | 1:A:250:THR:N | 2:B:657:SEP:HA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:N | 2:B:657:SEP:HB3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:N | 2:B:657:SEP:N | 20 | 0.16 |
| (1,37) | 1:A:250:THR:N | 2:B:657:SEP:O | 20 | 0.16 |
| (1,37) | 1:A:250:THR:N | 2:B:657:SEP:O1P | 20 | 0.16 |
| (1,37) | 1:A:250:THR:N | 2:B:657:SEP:O2P | 20 | 0.16 |
| (1,37) | 1:A:250:THR:N | 2:B:657:SEP:O3P | 20 | 0.16 |
| (1,37) | 1:A:250:THR:N | 2:B:657:SEP:OG | 20 | 0.16 |
| (1,37) | 1:A:250:THR:N | 2:B:657:SEP:P | 20 | 0.16 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:C | 20 | 0.16 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:CA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:CB | 20 | 0.16 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:CD1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:CD2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:CE1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:CE2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:CG | 20 | 0.16 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:CZ | 20 | 0.16 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:H | 20 | 0.16 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:HA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:HB2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:HB3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:HD1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:HD2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:HE1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:HE2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:HH | 20 | 0.16 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:N | 20 | 0.16 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:O | 20 | 0.16 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:OH | 20 | 0.16 |
| (1,37) | 1:A:250:THR:N | 2:B:659:NH2:HN1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:N | 2:B:659:NH2:HN2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:N | 2:B:659:NH2:N | 20 | 0.16 |
| (1,37) | 1:A:250:THR:O | 2:B:648:ACE:C | 20 | 0.16 |
| (1,37) | 1:A:250:THR:O | 2:B:648:ACE:CH3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:O | 2:B:648:ACE:H1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:O | 2:B:648:ACE:H2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:O | 2:B:648:ACE:H3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:O | 2:B:648:ACE:O | 20 | 0.16 |
| (1,37) | 1:A:250:THR:O | 2:B:649:ASP:C | 20 | 0.16 |
| (1,37) | 1:A:250:THR:O | 2:B:649:ASP:CA | 20 | 0.16 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (1,37) | 1:A:250:THR:O | 2:B:649:ASP:CB | 20 | 0.16 |
| (1,37) | 1:A:250:THR:O | 2:B:649:ASP:CG | 20 | 0.16 |
| (1,37) | 1:A:250:THR:O | 2:B:649:ASP:H | 20 | 0.16 |
| (1,37) | 1:A:250:THR:O | 2:B:649:ASP:HA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:O | 2:B:649:ASP:HB2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:O | 2:B:649:ASP:HB3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:O | 2:B:649:ASP:N | 20 | 0.16 |
| (1,37) | 1:A:250:THR:O | 2:B:649:ASP:O | 20 | 0.16 |
| (1,37) | 1:A:250:THR:O | 2:B:649:ASP:OD1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:O | 2:B:649:ASP:OD2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:O | 2:B:650:GLN:C | 20 | 0.16 |
| (1,37) | 1:A:250:THR:O | 2:B:650:GLN:CA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:O | 2:B:650:GLN:CB | 20 | 0.16 |
| (1,37) | 1:A:250:THR:O | 2:B:650:GLN:CD | 20 | 0.16 |
| (1,37) | 1:A:250:THR:O | 2:B:650:GLN:CG | 20 | 0.16 |
| (1,37) | 1:A:250:THR:O | 2:B:650:GLN:H | 20 | 0.16 |
| (1,37) | 1:A:250:THR:O | 2:B:650:GLN:HA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:O | 2:B:650:GLN:HB2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:O | 2:B:650:GLN:HB3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:O | 2:B:650:GLN:HE21 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:O | 2:B:650:GLN:HE22 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:O | 2:B:650:GLN:HG2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:O | 2:B:650:GLN:HG3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:O | 2:B:650:GLN:N | 20 | 0.16 |
| (1,37) | 1:A:250:THR:O | 2:B:650:GLN:NE2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:O | 2:B:650:GLN:O | 20 | 0.16 |
| (1,37) | 1:A:250:THR:O | 2:B:650:GLN:OE1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:O | 2:B:651:SER:C | 20 | 0.16 |
| (1,37) | 1:A:250:THR:O | 2:B:651:SER:CA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:O | 2:B:651:SER:CB | 20 | 0.16 |
| (1,37) | 1:A:250:THR:O | 2:B:651:SER:H | 20 | 0.16 |
| (1,37) | 1:A:250:THR:O | 2:B:651:SER:HA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:O | 2:B:651:SER:HB2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:O | 2:B:651:SER:HB3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:O | 2:B:651:SER:HG | 20 | 0.16 |
| (1,37) | 1:A:250:THR:O | 2:B:651:SER:N | 20 | 0.16 |
| (1,37) | 1:A:250:THR:O | 2:B:651:SER:O | 20 | 0.16 |
| (1,37) | 1:A:250:THR:O | 2:B:651:SER:OG | 20 | 0.16 |
| (1,37) | 1:A:250:THR:O | 2:B:652:ASP:C | 20 | 0.16 |
| (1,37) | 1:A:250:THR:O | 2:B:652:ASP:CA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:O | 2:B:652:ASP:CB | 20 | 0.16 |
| (1,37) | 1:A:250:THR:O | 2:B:652:ASP:CG | 20 | 0.16 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:O | 2:B:652:ASP:H | 20 | 0.16 |
| (1,37) | 1:A:250:THR:O | 2:B:652:ASP:HA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:O | 2:B:652:ASP:HB2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:O | 2:B:652:ASP:HB3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:O | 2:B:652:ASP:N | 20 | 0.16 |
| (1,37) | 1:A:250:THR:O | 2:B:652:ASP:O | 20 | 0.16 |
| (1,37) | 1:A:250:THR:O | 2:B:652:ASP:OD1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:O | 2:B:652:ASP:OD2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:C | 20 | 0.16 |
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:CA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:CB | 20 | 0.16 |
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:CD1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:CD2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:CE1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:CE2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:CG | 20 | 0.16 |
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:CZ | 20 | 0.16 |
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:H | 20 | 0.16 |
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:HA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:HB2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:HB3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:HD1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:HD2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:HE1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:HE2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:HZ | 20 | 0.16 |
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:N | 20 | 0.16 |
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:O | 20 | 0.16 |
| (1,37) | 1:A:250:THR:O | 2:B:654:GLU:C | 20 | 0.16 |
| (1,37) | 1:A:250:THR:O | 2:B:654:GLU:CA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:O | 2:B:654:GLU:CB | 20 | 0.16 |
| (1,37) | 1:A:250:THR:O | 2:B:654:GLU:CD | 20 | 0.16 |
| (1,37) | 1:A:250:THR:O | 2:B:654:GLU:CG | 20 | 0.16 |
| (1,37) | 1:A:250:THR:O | 2:B:654:GLU:H | 20 | 0.16 |
| (1,37) | 1:A:250:THR:O | 2:B:654:GLU:HA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:O | 2:B:654:GLU:HB2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:O | 2:B:654:GLU:HB3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:O | 2:B:654:GLU:HG2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:O | 2:B:654:GLU:HG3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:O | 2:B:654:GLU:N | 20 | 0.16 |
| (1,37) | 1:A:250:THR:O | 2:B:654:GLU:O | 20 | 0.16 |
| (1,37) | 1:A:250:THR:O | 2:B:654:GLU:OE1 | 20 | 0.16 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:O | 2:B:654:GLU:OE2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:O | 2:B:655:GLY:C | 20 | 0.16 |
| (1,37) | 1:A:250:THR:O | 2:B:655:GLY:CA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:O | 2:B:655:GLY:H | 20 | 0.16 |
| (1,37) | 1:A:250:THR:O | 2:B:655:GLY:HA2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:O | 2:B:655:GLY:HA3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:O | 2:B:655:GLY:N | 20 | 0.16 |
| (1,37) | 1:A:250:THR:O | 2:B:655:GLY:O | 20 | 0.16 |
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:C | 20 | 0.16 |
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:CA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:CB | 20 | 0.16 |
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:CD1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:CD2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:CE1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:CE2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:CG | 20 | 0.16 |
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:CZ | 20 | 0.16 |
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:H | 20 | 0.16 |
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:HA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:HB2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:HB3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:HD1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:HD2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:HE1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:HE2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:HZ | 20 | 0.16 |
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:N | 20 | 0.16 |
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:O | 20 | 0.16 |
| (1,37) | 1:A:250:THR:O | 2:B:657:SEP:C | 20 | 0.16 |
| (1,37) | 1:A:250:THR:O | 2:B:657:SEP:CA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:O | 2:B:657:SEP:CB | 20 | 0.16 |
| (1,37) | 1:A:250:THR:O | 2:B:657:SEP:H | 20 | 0.16 |
| (1,37) | 1:A:250:THR:O | 2:B:657:SEP:HA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:O | 2:B:657:SEP:HB3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:O | 2:B:657:SEP:N | 20 | 0.16 |
| (1,37) | 1:A:250:THR:O | 2:B:657:SEP:O | 20 | 0.16 |
| (1,37) | 1:A:250:THR:O | 2:B:657:SEP:O1P | 20 | 0.16 |
| (1,37) | 1:A:250:THR:O | 2:B:657:SEP:O2P | 20 | 0.16 |
| (1,37) | 1:A:250:THR:O | 2:B:657:SEP:O3P | 20 | 0.16 |
| (1,37) | 1:A:250:THR:O | 2:B:657:SEP:OG | 20 | 0.16 |
| (1,37) | 1:A:250:THR:O | 2:B:657:SEP:P | 20 | 0.16 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:C | 20 | 0.16 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:CA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:CB | 20 | 0.16 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:CD1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:CD2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:CE1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:CE2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:CG | 20 | 0.16 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:CZ | 20 | 0.16 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:H | 20 | 0.16 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:HA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:HB2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:HB3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:HD1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:HD2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:HE1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:HE2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:HH | 20 | 0.16 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:N | 20 | 0.16 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:O | 20 | 0.16 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:OH | 20 | 0.16 |
| (1,37) | 1:A:250:THR:O | 2:B:659:NH2:HN1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:O | 2:B:659:NH2:HN2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:O | 2:B:659:NH2:N | 20 | 0.16 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:648:ACE:C | 20 | 0.16 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:648:ACE:CH3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:648:ACE:H1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:648:ACE:H2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:648:ACE:H3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:648:ACE:O | 20 | 0.16 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:649:ASP:C | 20 | 0.16 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:649:ASP:CA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:649:ASP:CB | 20 | 0.16 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:649:ASP:CG | 20 | 0.16 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:649:ASP:H | 20 | 0.16 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:649:ASP:HA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:649:ASP:HB2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:649:ASP:HB3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:649:ASP:N | 20 | 0.16 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:649:ASP:O | 20 | 0.16 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:649:ASP:OD1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:649:ASP:OD2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:650:GLN:C | 20 | 0.16 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|------------------|----------|---------------|
| (1,37) | 1:A:250:THR:OG1 | 2:B:650:GLN:CA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:650:GLN:CB | 20 | 0.16 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:650:GLN:CD | 20 | 0.16 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:650:GLN:CG | 20 | 0.16 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:650:GLN:H | 20 | 0.16 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:650:GLN:HA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:650:GLN:HB2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:650:GLN:HB3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:650:GLN:HE21 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:650:GLN:HE22 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:650:GLN:HG2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:650:GLN:HG3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:650:GLN:N | 20 | 0.16 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:650:GLN:NE2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:650:GLN:O | 20 | 0.16 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:650:GLN:OE1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:651:SER:C | 20 | 0.16 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:651:SER:CA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:651:SER:CB | 20 | 0.16 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:651:SER:H | 20 | 0.16 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:651:SER:HA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:651:SER:HB2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:651:SER:HB3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:651:SER:HG | 20 | 0.16 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:651:SER:N | 20 | 0.16 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:651:SER:O | 20 | 0.16 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:651:SER:OG | 20 | 0.16 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:652:ASP:C | 20 | 0.16 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:652:ASP:CA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:652:ASP:CB | 20 | 0.16 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:652:ASP:CG | 20 | 0.16 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:652:ASP:H | 20 | 0.16 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:652:ASP:HA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:652:ASP:HB2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:652:ASP:HB3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:652:ASP:N | 20 | 0.16 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:652:ASP:O | 20 | 0.16 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:652:ASP:OD1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:652:ASP:OD2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:C | 20 | 0.16 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:CA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:CB | 20 | 0.16 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:CD1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:CD2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:CE1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:CE2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:CG | 20 | 0.16 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:CZ | 20 | 0.16 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:H | 20 | 0.16 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:HA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:HB2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:HB3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:HD1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:HD2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:HE1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:HE2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:HZ | 20 | 0.16 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:N | 20 | 0.16 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:O | 20 | 0.16 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:654:GLU:C | 20 | 0.16 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:654:GLU:CA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:654:GLU:CB | 20 | 0.16 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:654:GLU:CD | 20 | 0.16 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:654:GLU:CG | 20 | 0.16 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:654:GLU:H | 20 | 0.16 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:654:GLU:HA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:654:GLU:HB2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:654:GLU:HB3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:654:GLU:HG2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:654:GLU:HG3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:654:GLU:N | 20 | 0.16 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:654:GLU:O | 20 | 0.16 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:654:GLU:OE1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:654:GLU:OE2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:655:GLY:C | 20 | 0.16 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:655:GLY:CA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:655:GLY:H | 20 | 0.16 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:655:GLY:HA2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:655:GLY:HA3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:655:GLY:N | 20 | 0.16 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:655:GLY:O | 20 | 0.16 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:C | 20 | 0.16 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:CA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:CB | 20 | 0.16 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:CD1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:CD2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:CE1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:CE2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:CG | 20 | 0.16 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:CZ | 20 | 0.16 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:H | 20 | 0.16 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:HA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:HB2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:HB3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:HD1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:HD2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:HE1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:HE2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:HZ | 20 | 0.16 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:N | 20 | 0.16 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:O | 20 | 0.16 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:657:SEP:C | 20 | 0.16 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:657:SEP:CA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:657:SEP:CB | 20 | 0.16 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:657:SEP:H | 20 | 0.16 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:657:SEP:HA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:657:SEP:HB3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:657:SEP:N | 20 | 0.16 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:657:SEP:O | 20 | 0.16 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:657:SEP:O1P | 20 | 0.16 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:657:SEP:O2P | 20 | 0.16 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:657:SEP:O3P | 20 | 0.16 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:657:SEP:OG | 20 | 0.16 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:657:SEP:P | 20 | 0.16 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:C | 20 | 0.16 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:CA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:CB | 20 | 0.16 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:CD1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:CD2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:CE1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:CE2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:CG | 20 | 0.16 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:CZ | 20 | 0.16 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:H | 20 | 0.16 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:HA | 20 | 0.16 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:HB2 | 20 | 0.16 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|------------------|----------|---------------|
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:HB3 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:HD1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:HD2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:HE1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:HE2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:HH | 20 | 0.16 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:N | 20 | 0.16 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:O | 20 | 0.16 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:OH | 20 | 0.16 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:659:NH2:HN1 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:659:NH2:HN2 | 20 | 0.16 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:659:NH2:N | 20 | 0.16 |
| (1,37) | 1:A:250:THR:C | 2:B:648:ACE:C | 9 | 0.15 |
| (1,37) | 1:A:250:THR:C | 2:B:648:ACE:CH3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:C | 2:B:648:ACE:H1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:C | 2:B:648:ACE:H2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:C | 2:B:648:ACE:H3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:C | 2:B:648:ACE:O | 9 | 0.15 |
| (1,37) | 1:A:250:THR:C | 2:B:649:ASP:C | 9 | 0.15 |
| (1,37) | 1:A:250:THR:C | 2:B:649:ASP:CA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:C | 2:B:649:ASP:CB | 9 | 0.15 |
| (1,37) | 1:A:250:THR:C | 2:B:649:ASP:CG | 9 | 0.15 |
| (1,37) | 1:A:250:THR:C | 2:B:649:ASP:H | 9 | 0.15 |
| (1,37) | 1:A:250:THR:C | 2:B:649:ASP:HA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:C | 2:B:649:ASP:HB2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:C | 2:B:649:ASP:HB3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:C | 2:B:649:ASP:N | 9 | 0.15 |
| (1,37) | 1:A:250:THR:C | 2:B:649:ASP:O | 9 | 0.15 |
| (1,37) | 1:A:250:THR:C | 2:B:649:ASP:OD1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:C | 2:B:649:ASP:OD2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:C | 2:B:650:GLN:C | 9 | 0.15 |
| (1,37) | 1:A:250:THR:C | 2:B:650:GLN:CA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:C | 2:B:650:GLN:CB | 9 | 0.15 |
| (1,37) | 1:A:250:THR:C | 2:B:650:GLN:CD | 9 | 0.15 |
| (1,37) | 1:A:250:THR:C | 2:B:650:GLN:CG | 9 | 0.15 |
| (1,37) | 1:A:250:THR:C | 2:B:650:GLN:H | 9 | 0.15 |
| (1,37) | 1:A:250:THR:C | 2:B:650:GLN:HA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:C | 2:B:650:GLN:HB2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:C | 2:B:650:GLN:HB3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:C | 2:B:650:GLN:HE21 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:C | 2:B:650:GLN:HE22 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:C | 2:B:650:GLN:HG2 | 9 | 0.15 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:C | 2:B:650:GLN:HG3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:C | 2:B:650:GLN:N | 9 | 0.15 |
| (1,37) | 1:A:250:THR:C | 2:B:650:GLN:NE2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:C | 2:B:650:GLN:O | 9 | 0.15 |
| (1,37) | 1:A:250:THR:C | 2:B:650:GLN:OE1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:C | 2:B:651:SER:C | 9 | 0.15 |
| (1,37) | 1:A:250:THR:C | 2:B:651:SER:CA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:C | 2:B:651:SER:CB | 9 | 0.15 |
| (1,37) | 1:A:250:THR:C | 2:B:651:SER:H | 9 | 0.15 |
| (1,37) | 1:A:250:THR:C | 2:B:651:SER:HA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:C | 2:B:651:SER:HB2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:C | 2:B:651:SER:HB3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:C | 2:B:651:SER:HG | 9 | 0.15 |
| (1,37) | 1:A:250:THR:C | 2:B:651:SER:N | 9 | 0.15 |
| (1,37) | 1:A:250:THR:C | 2:B:651:SER:O | 9 | 0.15 |
| (1,37) | 1:A:250:THR:C | 2:B:651:SER:OG | 9 | 0.15 |
| (1,37) | 1:A:250:THR:C | 2:B:652:ASP:C | 9 | 0.15 |
| (1,37) | 1:A:250:THR:C | 2:B:652:ASP:CA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:C | 2:B:652:ASP:CB | 9 | 0.15 |
| (1,37) | 1:A:250:THR:C | 2:B:652:ASP:CG | 9 | 0.15 |
| (1,37) | 1:A:250:THR:C | 2:B:652:ASP:H | 9 | 0.15 |
| (1,37) | 1:A:250:THR:C | 2:B:652:ASP:HA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:C | 2:B:652:ASP:HB2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:C | 2:B:652:ASP:HB3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:C | 2:B:652:ASP:N | 9 | 0.15 |
| (1,37) | 1:A:250:THR:C | 2:B:652:ASP:O | 9 | 0.15 |
| (1,37) | 1:A:250:THR:C | 2:B:652:ASP:OD1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:C | 2:B:652:ASP:OD2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:C | 9 | 0.15 |
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:CA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:CB | 9 | 0.15 |
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:CD1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:CD2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:CE1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:CE2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:CG | 9 | 0.15 |
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:CZ | 9 | 0.15 |
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:H | 9 | 0.15 |
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:HA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:HB2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:HB3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:HD1 | 9 | 0.15 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:HD2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:HE1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:HE2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:HZ | 9 | 0.15 |
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:N | 9 | 0.15 |
| (1,37) | 1:A:250:THR:C | 2:B:653:PHE:O | 9 | 0.15 |
| (1,37) | 1:A:250:THR:C | 2:B:654:GLU:C | 9 | 0.15 |
| (1,37) | 1:A:250:THR:C | 2:B:654:GLU:CA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:C | 2:B:654:GLU:CB | 9 | 0.15 |
| (1,37) | 1:A:250:THR:C | 2:B:654:GLU:CD | 9 | 0.15 |
| (1,37) | 1:A:250:THR:C | 2:B:654:GLU:CG | 9 | 0.15 |
| (1,37) | 1:A:250:THR:C | 2:B:654:GLU:H | 9 | 0.15 |
| (1,37) | 1:A:250:THR:C | 2:B:654:GLU:HA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:C | 2:B:654:GLU:HB2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:C | 2:B:654:GLU:HB3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:C | 2:B:654:GLU:HG2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:C | 2:B:654:GLU:HG3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:C | 2:B:654:GLU:N | 9 | 0.15 |
| (1,37) | 1:A:250:THR:C | 2:B:654:GLU:O | 9 | 0.15 |
| (1,37) | 1:A:250:THR:C | 2:B:654:GLU:OE1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:C | 2:B:654:GLU:OE2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:C | 2:B:655:GLY:C | 9 | 0.15 |
| (1,37) | 1:A:250:THR:C | 2:B:655:GLY:CA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:C | 2:B:655:GLY:H | 9 | 0.15 |
| (1,37) | 1:A:250:THR:C | 2:B:655:GLY:HA2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:C | 2:B:655:GLY:HA3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:C | 2:B:655:GLY:N | 9 | 0.15 |
| (1,37) | 1:A:250:THR:C | 2:B:655:GLY:O | 9 | 0.15 |
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:C | 9 | 0.15 |
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:CA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:CB | 9 | 0.15 |
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:CD1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:CD2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:CE1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:CE2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:CG | 9 | 0.15 |
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:CZ | 9 | 0.15 |
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:H | 9 | 0.15 |
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:HA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:HB2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:HB3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:HD1 | 9 | 0.15 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:HD2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:HE1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:HE2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:HZ | 9 | 0.15 |
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:N | 9 | 0.15 |
| (1,37) | 1:A:250:THR:C | 2:B:656:PHE:O | 9 | 0.15 |
| (1,37) | 1:A:250:THR:C | 2:B:657:SEP:C | 9 | 0.15 |
| (1,37) | 1:A:250:THR:C | 2:B:657:SEP:CA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:C | 2:B:657:SEP:CB | 9 | 0.15 |
| (1,37) | 1:A:250:THR:C | 2:B:657:SEP:H | 9 | 0.15 |
| (1,37) | 1:A:250:THR:C | 2:B:657:SEP:HA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:C | 2:B:657:SEP:HB3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:C | 2:B:657:SEP:N | 9 | 0.15 |
| (1,37) | 1:A:250:THR:C | 2:B:657:SEP:O | 9 | 0.15 |
| (1,37) | 1:A:250:THR:C | 2:B:657:SEP:O1P | 9 | 0.15 |
| (1,37) | 1:A:250:THR:C | 2:B:657:SEP:O2P | 9 | 0.15 |
| (1,37) | 1:A:250:THR:C | 2:B:657:SEP:O3P | 9 | 0.15 |
| (1,37) | 1:A:250:THR:C | 2:B:657:SEP:OG | 9 | 0.15 |
| (1,37) | 1:A:250:THR:C | 2:B:657:SEP:P | 9 | 0.15 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:C | 9 | 0.15 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:CA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:CB | 9 | 0.15 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:CD1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:CD2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:CE1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:CE2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:CG | 9 | 0.15 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:CZ | 9 | 0.15 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:H | 9 | 0.15 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:HA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:HB2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:HB3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:HD1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:HD2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:HE1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:HE2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:HH | 9 | 0.15 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:N | 9 | 0.15 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:O | 9 | 0.15 |
| (1,37) | 1:A:250:THR:C | 2:B:658:TYR:OH | 9 | 0.15 |
| (1,37) | 1:A:250:THR:C | 2:B:659:NH2:HN1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:C | 2:B:659:NH2:HN2 | 9 | 0.15 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (1,37) | 1:A:250:THR:C | 2:B:659:NH2:N | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CA | 2:B:648:ACE:C | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CA | 2:B:648:ACE:CH3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CA | 2:B:648:ACE:H1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CA | 2:B:648:ACE:H2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CA | 2:B:648:ACE:H3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CA | 2:B:648:ACE:O | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CA | 2:B:649:ASP:C | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CA | 2:B:649:ASP:CA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CA | 2:B:649:ASP:CB | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CA | 2:B:649:ASP:CG | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CA | 2:B:649:ASP:H | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CA | 2:B:649:ASP:HA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CA | 2:B:649:ASP:HB2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CA | 2:B:649:ASP:HB3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CA | 2:B:649:ASP:N | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CA | 2:B:649:ASP:O | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CA | 2:B:649:ASP:OD1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CA | 2:B:649:ASP:OD2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CA | 2:B:650:GLN:C | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CA | 2:B:650:GLN:CA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CA | 2:B:650:GLN:CB | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CA | 2:B:650:GLN:CD | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CA | 2:B:650:GLN:CG | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CA | 2:B:650:GLN:H | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CA | 2:B:650:GLN:HA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CA | 2:B:650:GLN:HB2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CA | 2:B:650:GLN:HB3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CA | 2:B:650:GLN:HE21 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CA | 2:B:650:GLN:HE22 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CA | 2:B:650:GLN:HG2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CA | 2:B:650:GLN:HG3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CA | 2:B:650:GLN:N | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CA | 2:B:650:GLN:NE2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CA | 2:B:650:GLN:O | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CA | 2:B:650:GLN:OE1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CA | 2:B:651:SER:C | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CA | 2:B:651:SER:CA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CA | 2:B:651:SER:CB | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CA | 2:B:651:SER:H | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CA | 2:B:651:SER:HA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CA | 2:B:651:SER:HB2 | 9 | 0.15 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:CA | 2:B:651:SER:HB3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CA | 2:B:651:SER:HG | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CA | 2:B:651:SER:N | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CA | 2:B:651:SER:O | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CA | 2:B:651:SER:OG | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CA | 2:B:652:ASP:C | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CA | 2:B:652:ASP:CA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CA | 2:B:652:ASP:CB | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CA | 2:B:652:ASP:CG | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CA | 2:B:652:ASP:H | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CA | 2:B:652:ASP:HA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CA | 2:B:652:ASP:HB2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CA | 2:B:652:ASP:HB3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CA | 2:B:652:ASP:N | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CA | 2:B:652:ASP:O | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CA | 2:B:652:ASP:OD1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CA | 2:B:652:ASP:OD2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:C | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:CA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:CB | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:CD1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:CD2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:CE1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:CE2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:CG | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:CZ | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:H | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:HA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:HB2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:HB3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:HD1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:HD2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:HE1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:HE2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:HZ | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:N | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CA | 2:B:653:PHE:O | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CA | 2:B:654:GLU:C | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CA | 2:B:654:GLU:CA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CA | 2:B:654:GLU:CB | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CA | 2:B:654:GLU:CD | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CA | 2:B:654:GLU:CG | 9 | 0.15 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:CA | 2:B:654:GLU:H | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CA | 2:B:654:GLU:HA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CA | 2:B:654:GLU:HB2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CA | 2:B:654:GLU:HB3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CA | 2:B:654:GLU:HG2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CA | 2:B:654:GLU:HG3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CA | 2:B:654:GLU:N | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CA | 2:B:654:GLU:O | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CA | 2:B:654:GLU:OE1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CA | 2:B:654:GLU:OE2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CA | 2:B:655:GLY:C | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CA | 2:B:655:GLY:CA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CA | 2:B:655:GLY:H | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CA | 2:B:655:GLY:HA2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CA | 2:B:655:GLY:HA3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CA | 2:B:655:GLY:N | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CA | 2:B:655:GLY:O | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:C | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:CA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:CB | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:CD1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:CD2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:CE1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:CE2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:CG | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:CZ | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:H | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:HA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:HB2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:HB3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:HD1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:HD2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:HE1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:HE2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:HZ | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:N | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CA | 2:B:656:PHE:O | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CA | 2:B:657:SEP:C | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CA | 2:B:657:SEP:CA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CA | 2:B:657:SEP:CB | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CA | 2:B:657:SEP:H | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CA | 2:B:657:SEP:HA | 9 | 0.15 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:CA | 2:B:657:SEP:HB3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CA | 2:B:657:SEP:N | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CA | 2:B:657:SEP:O | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CA | 2:B:657:SEP:O1P | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CA | 2:B:657:SEP:O2P | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CA | 2:B:657:SEP:O3P | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CA | 2:B:657:SEP:OG | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CA | 2:B:657:SEP:P | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:C | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:CA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:CB | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:CD1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:CD2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:CE1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:CE2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:CG | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:CZ | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:H | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:HA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:HB2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:HB3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:HD1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:HD2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:HE1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:HE2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:HH | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:N | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:O | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CA | 2:B:658:TYR:OH | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CA | 2:B:659:NH2:HN1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CA | 2:B:659:NH2:HN2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CA | 2:B:659:NH2:N | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CB | 2:B:648:ACE:C | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CB | 2:B:648:ACE:CH3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CB | 2:B:648:ACE:H1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CB | 2:B:648:ACE:H2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CB | 2:B:648:ACE:H3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CB | 2:B:648:ACE:O | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CB | 2:B:649:ASP:C | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CB | 2:B:649:ASP:CA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CB | 2:B:649:ASP:CB | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CB | 2:B:649:ASP:CG | 9 | 0.15 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (1,37) | 1:A:250:THR:CB | 2:B:649:ASP:H | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CB | 2:B:649:ASP:HA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CB | 2:B:649:ASP:HB2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CB | 2:B:649:ASP:HB3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CB | 2:B:649:ASP:N | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CB | 2:B:649:ASP:O | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CB | 2:B:649:ASP:OD1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CB | 2:B:649:ASP:OD2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CB | 2:B:650:GLN:C | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CB | 2:B:650:GLN:CA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CB | 2:B:650:GLN:CB | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CB | 2:B:650:GLN:CD | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CB | 2:B:650:GLN:CG | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CB | 2:B:650:GLN:H | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CB | 2:B:650:GLN:HA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CB | 2:B:650:GLN:HB2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CB | 2:B:650:GLN:HB3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CB | 2:B:650:GLN:HE21 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CB | 2:B:650:GLN:HE22 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CB | 2:B:650:GLN:HG2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CB | 2:B:650:GLN:HG3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CB | 2:B:650:GLN:N | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CB | 2:B:650:GLN:NE2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CB | 2:B:650:GLN:O | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CB | 2:B:650:GLN:OE1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CB | 2:B:651:SER:C | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CB | 2:B:651:SER:CA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CB | 2:B:651:SER:CB | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CB | 2:B:651:SER:H | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CB | 2:B:651:SER:HA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CB | 2:B:651:SER:HB2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CB | 2:B:651:SER:HB3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CB | 2:B:651:SER:HG | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CB | 2:B:651:SER:N | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CB | 2:B:651:SER:O | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CB | 2:B:651:SER:OG | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CB | 2:B:652:ASP:C | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CB | 2:B:652:ASP:CA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CB | 2:B:652:ASP:CB | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CB | 2:B:652:ASP:CG | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CB | 2:B:652:ASP:H | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CB | 2:B:652:ASP:HA | 9 | 0.15 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:CB | 2:B:652:ASP:HB2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CB | 2:B:652:ASP:HB3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CB | 2:B:652:ASP:N | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CB | 2:B:652:ASP:O | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CB | 2:B:652:ASP:OD1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CB | 2:B:652:ASP:OD2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:C | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:CA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:CB | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:CD1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:CD2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:CE1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:CE2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:CG | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:CZ | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:H | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:HA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:HB2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:HB3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:HD1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:HD2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:HE1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:HE2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:HZ | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:N | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CB | 2:B:653:PHE:O | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CB | 2:B:654:GLU:C | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CB | 2:B:654:GLU:CA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CB | 2:B:654:GLU:CB | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CB | 2:B:654:GLU:CD | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CB | 2:B:654:GLU:CG | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CB | 2:B:654:GLU:H | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CB | 2:B:654:GLU:HA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CB | 2:B:654:GLU:HB2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CB | 2:B:654:GLU:HB3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CB | 2:B:654:GLU:HG2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CB | 2:B:654:GLU:HG3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CB | 2:B:654:GLU:N | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CB | 2:B:654:GLU:O | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CB | 2:B:654:GLU:OE1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CB | 2:B:654:GLU:OE2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CB | 2:B:655:GLY:C | 9 | 0.15 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:CB | 2:B:655:GLY:CA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CB | 2:B:655:GLY:H | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CB | 2:B:655:GLY:HA2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CB | 2:B:655:GLY:HA3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CB | 2:B:655:GLY:N | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CB | 2:B:655:GLY:O | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:C | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:CA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:CB | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:CD1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:CD2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:CE1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:CE2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:CG | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:CZ | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:H | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:HA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:HB2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:HB3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:HD1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:HD2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:HE1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:HE2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:HZ | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:N | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CB | 2:B:656:PHE:O | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CB | 2:B:657:SEP:C | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CB | 2:B:657:SEP:CA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CB | 2:B:657:SEP:CB | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CB | 2:B:657:SEP:H | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CB | 2:B:657:SEP:HA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CB | 2:B:657:SEP:HB3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CB | 2:B:657:SEP:N | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CB | 2:B:657:SEP:O | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CB | 2:B:657:SEP:O1P | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CB | 2:B:657:SEP:O2P | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CB | 2:B:657:SEP:O3P | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CB | 2:B:657:SEP:OG | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CB | 2:B:657:SEP:P | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:C | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:CA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:CB | 9 | 0.15 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:CD1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:CD2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:CE1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:CE2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:CG | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:CZ | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:H | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:HA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:HB2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:HB3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:HD1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:HD2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:HE1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:HE2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:HH | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:N | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:O | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CB | 2:B:658:TYR:OH | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CB | 2:B:659:NH2:HN1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CB | 2:B:659:NH2:HN2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CB | 2:B:659:NH2:N | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:648:ACE:C | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:648:ACE:CH3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:648:ACE:H1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:648:ACE:H2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:648:ACE:H3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:648:ACE:O | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:649:ASP:C | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:649:ASP:CA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:649:ASP:CB | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:649:ASP:CG | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:649:ASP:H | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:649:ASP:HA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:649:ASP:HB2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:649:ASP:HB3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:649:ASP:N | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:649:ASP:O | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:649:ASP:OD1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:649:ASP:OD2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:650:GLN:C | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:650:GLN:CA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:650:GLN:CB | 9 | 0.15 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|------------------|----------|---------------|
| (1,37) | 1:A:250:THR:CG2 | 2:B:650:GLN:CD | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:650:GLN:CG | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:650:GLN:H | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:650:GLN:HA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:650:GLN:HB2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:650:GLN:HB3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:650:GLN:HE21 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:650:GLN:HE22 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:650:GLN:HG2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:650:GLN:HG3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:650:GLN:N | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:650:GLN:NE2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:650:GLN:O | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:650:GLN:OE1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:651:SER:C | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:651:SER:CA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:651:SER:CB | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:651:SER:H | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:651:SER:HA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:651:SER:HB2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:651:SER:HB3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:651:SER:HG | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:651:SER:N | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:651:SER:O | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:651:SER:OG | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:652:ASP:C | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:652:ASP:CA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:652:ASP:CB | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:652:ASP:CG | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:652:ASP:H | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:652:ASP:HA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:652:ASP:HB2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:652:ASP:HB3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:652:ASP:N | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:652:ASP:O | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:652:ASP:OD1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:652:ASP:OD2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:C | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:CA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:CB | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:CD1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:CD2 | 9 | 0.15 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:CE1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:CE2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:CG | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:CZ | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:H | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:HA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:HB2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:HB3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:HD1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:HD2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:HE1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:HE2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:HZ | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:N | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:653:PHE:O | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:654:GLU:C | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:654:GLU:CA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:654:GLU:CB | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:654:GLU:CD | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:654:GLU:CG | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:654:GLU:H | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:654:GLU:HA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:654:GLU:HB2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:654:GLU:HB3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:654:GLU:HG2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:654:GLU:HG3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:654:GLU:N | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:654:GLU:O | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:654:GLU:OE1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:654:GLU:OE2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:655:GLY:C | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:655:GLY:CA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:655:GLY:H | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:655:GLY:HA2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:655:GLY:HA3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:655:GLY:N | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:655:GLY:O | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:C | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:CA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:CB | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:CD1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:CD2 | 9 | 0.15 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:CE1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:CE2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:CG | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:CZ | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:H | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:HA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:HB2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:HB3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:HD1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:HD2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:HE1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:HE2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:HZ | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:N | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:656:PHE:O | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:657:SEP:C | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:657:SEP:CA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:657:SEP:CB | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:657:SEP:H | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:657:SEP:HA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:657:SEP:HB3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:657:SEP:N | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:657:SEP:O | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:657:SEP:O1P | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:657:SEP:O2P | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:657:SEP:O3P | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:657:SEP:OG | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:657:SEP:P | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:C | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:CA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:CB | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:CD1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:CD2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:CE1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:CE2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:CG | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:CZ | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:H | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:HA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:HB2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:HB3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:HD1 | 9 | 0.15 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|------------------|----------|---------------|
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:HD2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:HE1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:HE2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:HH | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:N | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:O | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:658:TYR:OH | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:659:NH2:HN1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:659:NH2:HN2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:CG2 | 2:B:659:NH2:N | 9 | 0.15 |
| (1,37) | 1:A:250:THR:H | 2:B:648:ACE:C | 9 | 0.15 |
| (1,37) | 1:A:250:THR:H | 2:B:648:ACE:CH3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:H | 2:B:648:ACE:H1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:H | 2:B:648:ACE:H2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:H | 2:B:648:ACE:H3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:H | 2:B:648:ACE:O | 9 | 0.15 |
| (1,37) | 1:A:250:THR:H | 2:B:649:ASP:C | 9 | 0.15 |
| (1,37) | 1:A:250:THR:H | 2:B:649:ASP:CA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:H | 2:B:649:ASP:CB | 9 | 0.15 |
| (1,37) | 1:A:250:THR:H | 2:B:649:ASP:CG | 9 | 0.15 |
| (1,37) | 1:A:250:THR:H | 2:B:649:ASP:H | 9 | 0.15 |
| (1,37) | 1:A:250:THR:H | 2:B:649:ASP:HA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:H | 2:B:649:ASP:HB2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:H | 2:B:649:ASP:HB3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:H | 2:B:649:ASP:N | 9 | 0.15 |
| (1,37) | 1:A:250:THR:H | 2:B:649:ASP:O | 9 | 0.15 |
| (1,37) | 1:A:250:THR:H | 2:B:649:ASP:OD1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:H | 2:B:649:ASP:OD2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:H | 2:B:650:GLN:C | 9 | 0.15 |
| (1,37) | 1:A:250:THR:H | 2:B:650:GLN:CA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:H | 2:B:650:GLN:CB | 9 | 0.15 |
| (1,37) | 1:A:250:THR:H | 2:B:650:GLN:CD | 9 | 0.15 |
| (1,37) | 1:A:250:THR:H | 2:B:650:GLN:CG | 9 | 0.15 |
| (1,37) | 1:A:250:THR:H | 2:B:650:GLN:H | 9 | 0.15 |
| (1,37) | 1:A:250:THR:H | 2:B:650:GLN:HA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:H | 2:B:650:GLN:HB2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:H | 2:B:650:GLN:HB3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:H | 2:B:650:GLN:HE21 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:H | 2:B:650:GLN:HE22 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:H | 2:B:650:GLN:HG2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:H | 2:B:650:GLN:HG3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:H | 2:B:650:GLN:N | 9 | 0.15 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:H | 2:B:650:GLN:NE2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:H | 2:B:650:GLN:O | 9 | 0.15 |
| (1,37) | 1:A:250:THR:H | 2:B:650:GLN:OE1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:H | 2:B:651:SER:C | 9 | 0.15 |
| (1,37) | 1:A:250:THR:H | 2:B:651:SER:CA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:H | 2:B:651:SER:CB | 9 | 0.15 |
| (1,37) | 1:A:250:THR:H | 2:B:651:SER:H | 9 | 0.15 |
| (1,37) | 1:A:250:THR:H | 2:B:651:SER:HA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:H | 2:B:651:SER:HB2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:H | 2:B:651:SER:HB3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:H | 2:B:651:SER:HG | 9 | 0.15 |
| (1,37) | 1:A:250:THR:H | 2:B:651:SER:N | 9 | 0.15 |
| (1,37) | 1:A:250:THR:H | 2:B:651:SER:O | 9 | 0.15 |
| (1,37) | 1:A:250:THR:H | 2:B:651:SER:OG | 9 | 0.15 |
| (1,37) | 1:A:250:THR:H | 2:B:652:ASP:C | 9 | 0.15 |
| (1,37) | 1:A:250:THR:H | 2:B:652:ASP:CA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:H | 2:B:652:ASP:CB | 9 | 0.15 |
| (1,37) | 1:A:250:THR:H | 2:B:652:ASP:CG | 9 | 0.15 |
| (1,37) | 1:A:250:THR:H | 2:B:652:ASP:H | 9 | 0.15 |
| (1,37) | 1:A:250:THR:H | 2:B:652:ASP:HA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:H | 2:B:652:ASP:HB2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:H | 2:B:652:ASP:HB3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:H | 2:B:652:ASP:N | 9 | 0.15 |
| (1,37) | 1:A:250:THR:H | 2:B:652:ASP:O | 9 | 0.15 |
| (1,37) | 1:A:250:THR:H | 2:B:652:ASP:OD1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:H | 2:B:652:ASP:OD2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:C | 9 | 0.15 |
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:CA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:CB | 9 | 0.15 |
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:CD1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:CD2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:CE1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:CE2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:CG | 9 | 0.15 |
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:CZ | 9 | 0.15 |
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:H | 9 | 0.15 |
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:HA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:HB2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:HB3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:HD1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:HD2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:HE1 | 9 | 0.15 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:HE2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:HZ | 9 | 0.15 |
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:N | 9 | 0.15 |
| (1,37) | 1:A:250:THR:H | 2:B:653:PHE:O | 9 | 0.15 |
| (1,37) | 1:A:250:THR:H | 2:B:654:GLU:C | 9 | 0.15 |
| (1,37) | 1:A:250:THR:H | 2:B:654:GLU:CA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:H | 2:B:654:GLU:CB | 9 | 0.15 |
| (1,37) | 1:A:250:THR:H | 2:B:654:GLU:CD | 9 | 0.15 |
| (1,37) | 1:A:250:THR:H | 2:B:654:GLU:CG | 9 | 0.15 |
| (1,37) | 1:A:250:THR:H | 2:B:654:GLU:H | 9 | 0.15 |
| (1,37) | 1:A:250:THR:H | 2:B:654:GLU:HA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:H | 2:B:654:GLU:HB2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:H | 2:B:654:GLU:HB3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:H | 2:B:654:GLU:HG2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:H | 2:B:654:GLU:HG3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:H | 2:B:654:GLU:N | 9 | 0.15 |
| (1,37) | 1:A:250:THR:H | 2:B:654:GLU:O | 9 | 0.15 |
| (1,37) | 1:A:250:THR:H | 2:B:654:GLU:OE1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:H | 2:B:654:GLU:OE2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:H | 2:B:655:GLY:C | 9 | 0.15 |
| (1,37) | 1:A:250:THR:H | 2:B:655:GLY:CA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:H | 2:B:655:GLY:H | 9 | 0.15 |
| (1,37) | 1:A:250:THR:H | 2:B:655:GLY:HA2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:H | 2:B:655:GLY:HA3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:H | 2:B:655:GLY:N | 9 | 0.15 |
| (1,37) | 1:A:250:THR:H | 2:B:655:GLY:O | 9 | 0.15 |
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:C | 9 | 0.15 |
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:CA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:CB | 9 | 0.15 |
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:CD1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:CD2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:CE1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:CE2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:CG | 9 | 0.15 |
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:CZ | 9 | 0.15 |
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:H | 9 | 0.15 |
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:HA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:HB2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:HB3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:HD1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:HD2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:HE1 | 9 | 0.15 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:HE2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:HZ | 9 | 0.15 |
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:N | 9 | 0.15 |
| (1,37) | 1:A:250:THR:H | 2:B:656:PHE:O | 9 | 0.15 |
| (1,37) | 1:A:250:THR:H | 2:B:657:SEP:C | 9 | 0.15 |
| (1,37) | 1:A:250:THR:H | 2:B:657:SEP:CA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:H | 2:B:657:SEP:CB | 9 | 0.15 |
| (1,37) | 1:A:250:THR:H | 2:B:657:SEP:H | 9 | 0.15 |
| (1,37) | 1:A:250:THR:H | 2:B:657:SEP:HA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:H | 2:B:657:SEP:HB3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:H | 2:B:657:SEP:N | 9 | 0.15 |
| (1,37) | 1:A:250:THR:H | 2:B:657:SEP:O | 9 | 0.15 |
| (1,37) | 1:A:250:THR:H | 2:B:657:SEP:O1P | 9 | 0.15 |
| (1,37) | 1:A:250:THR:H | 2:B:657:SEP:O2P | 9 | 0.15 |
| (1,37) | 1:A:250:THR:H | 2:B:657:SEP:O3P | 9 | 0.15 |
| (1,37) | 1:A:250:THR:H | 2:B:657:SEP:OG | 9 | 0.15 |
| (1,37) | 1:A:250:THR:H | 2:B:657:SEP:P | 9 | 0.15 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:C | 9 | 0.15 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:CA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:CB | 9 | 0.15 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:CD1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:CD2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:CE1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:CE2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:CG | 9 | 0.15 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:CZ | 9 | 0.15 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:H | 9 | 0.15 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:HA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:HB2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:HB3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:HD1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:HD2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:HE1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:HE2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:HH | 9 | 0.15 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:N | 9 | 0.15 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:O | 9 | 0.15 |
| (1,37) | 1:A:250:THR:H | 2:B:658:TYR:OH | 9 | 0.15 |
| (1,37) | 1:A:250:THR:H | 2:B:659:NH2:HN1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:H | 2:B:659:NH2:HN2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:H | 2:B:659:NH2:N | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HA | 2:B:648:ACE:C | 9 | 0.15 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (1,37) | 1:A:250:THR:HA | 2:B:648:ACE:CH3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HA | 2:B:648:ACE:H1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HA | 2:B:648:ACE:H2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HA | 2:B:648:ACE:H3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HA | 2:B:648:ACE:O | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HA | 2:B:649:ASP:C | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HA | 2:B:649:ASP:CA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HA | 2:B:649:ASP:CB | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HA | 2:B:649:ASP:CG | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HA | 2:B:649:ASP:H | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HA | 2:B:649:ASP:HA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HA | 2:B:649:ASP:HB2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HA | 2:B:649:ASP:HB3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HA | 2:B:649:ASP:N | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HA | 2:B:649:ASP:O | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HA | 2:B:649:ASP:OD1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HA | 2:B:649:ASP:OD2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HA | 2:B:650:GLN:C | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HA | 2:B:650:GLN:CA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HA | 2:B:650:GLN:CB | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HA | 2:B:650:GLN:CD | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HA | 2:B:650:GLN:CG | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HA | 2:B:650:GLN:H | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HA | 2:B:650:GLN:HA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HA | 2:B:650:GLN:HB2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HA | 2:B:650:GLN:HB3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HA | 2:B:650:GLN:HE21 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HA | 2:B:650:GLN:HE22 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HA | 2:B:650:GLN:HG2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HA | 2:B:650:GLN:HG3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HA | 2:B:650:GLN:N | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HA | 2:B:650:GLN:NE2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HA | 2:B:650:GLN:O | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HA | 2:B:650:GLN:OE1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HA | 2:B:651:SER:C | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HA | 2:B:651:SER:CA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HA | 2:B:651:SER:CB | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HA | 2:B:651:SER:H | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HA | 2:B:651:SER:HA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HA | 2:B:651:SER:HB2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HA | 2:B:651:SER:HB3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HA | 2:B:651:SER:HG | 9 | 0.15 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:HA | 2:B:651:SER:N | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HA | 2:B:651:SER:O | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HA | 2:B:651:SER:OG | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HA | 2:B:652:ASP:C | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HA | 2:B:652:ASP:CA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HA | 2:B:652:ASP:CB | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HA | 2:B:652:ASP:CG | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HA | 2:B:652:ASP:H | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HA | 2:B:652:ASP:HA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HA | 2:B:652:ASP:HB2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HA | 2:B:652:ASP:HB3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HA | 2:B:652:ASP:N | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HA | 2:B:652:ASP:O | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HA | 2:B:652:ASP:OD1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HA | 2:B:652:ASP:OD2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:C | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:CA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:CB | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:CD1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:CD2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:CE1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:CE2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:CG | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:CZ | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:H | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:HA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:HB2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:HB3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:HD1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:HD2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:HE1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:HE2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:HZ | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:N | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HA | 2:B:653:PHE:O | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HA | 2:B:654:GLU:C | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HA | 2:B:654:GLU:CA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HA | 2:B:654:GLU:CB | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HA | 2:B:654:GLU:CD | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HA | 2:B:654:GLU:CG | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HA | 2:B:654:GLU:H | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HA | 2:B:654:GLU:HA | 9 | 0.15 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:HA | 2:B:654:GLU:HB2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HA | 2:B:654:GLU:HB3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HA | 2:B:654:GLU:HG2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HA | 2:B:654:GLU:HG3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HA | 2:B:654:GLU:N | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HA | 2:B:654:GLU:O | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HA | 2:B:654:GLU:OE1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HA | 2:B:654:GLU:OE2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HA | 2:B:655:GLY:C | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HA | 2:B:655:GLY:CA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HA | 2:B:655:GLY:H | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HA | 2:B:655:GLY:HA2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HA | 2:B:655:GLY:HA3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HA | 2:B:655:GLY:N | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HA | 2:B:655:GLY:O | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:C | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:CA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:CB | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:CD1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:CD2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:CE1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:CE2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:CG | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:CZ | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:H | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:HA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:HB2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:HB3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:HD1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:HD2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:HE1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:HE2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:HZ | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:N | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HA | 2:B:656:PHE:O | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HA | 2:B:657:SEP:C | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HA | 2:B:657:SEP:CA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HA | 2:B:657:SEP:CB | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HA | 2:B:657:SEP:H | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HA | 2:B:657:SEP:HA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HA | 2:B:657:SEP:HB3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HA | 2:B:657:SEP:N | 9 | 0.15 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:HA | 2:B:657:SEP:O | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HA | 2:B:657:SEP:O1P | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HA | 2:B:657:SEP:O2P | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HA | 2:B:657:SEP:O3P | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HA | 2:B:657:SEP:OG | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HA | 2:B:657:SEP:P | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:C | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:CA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:CB | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:CD1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:CD2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:CE1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:CE2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:CG | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:CZ | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:H | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:HA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:HB2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:HB3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:HD1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:HD2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:HE1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:HE2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:HH | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:N | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:O | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HA | 2:B:658:TYR:OH | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HA | 2:B:659:NH2:HN1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HA | 2:B:659:NH2:HN2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HA | 2:B:659:NH2:N | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HB | 2:B:648:ACE:C | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HB | 2:B:648:ACE:CH3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HB | 2:B:648:ACE:H1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HB | 2:B:648:ACE:H2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HB | 2:B:648:ACE:H3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HB | 2:B:648:ACE:O | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HB | 2:B:649:ASP:C | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HB | 2:B:649:ASP:CA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HB | 2:B:649:ASP:CB | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HB | 2:B:649:ASP:CG | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HB | 2:B:649:ASP:H | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HB | 2:B:649:ASP:HA | 9 | 0.15 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (1,37) | 1:A:250:THR:HB | 2:B:649:ASP:HB2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HB | 2:B:649:ASP:HB3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HB | 2:B:649:ASP:N | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HB | 2:B:649:ASP:O | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HB | 2:B:649:ASP:OD1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HB | 2:B:649:ASP:OD2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HB | 2:B:650:GLN:C | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HB | 2:B:650:GLN:CA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HB | 2:B:650:GLN:CB | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HB | 2:B:650:GLN:CD | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HB | 2:B:650:GLN:CG | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HB | 2:B:650:GLN:H | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HB | 2:B:650:GLN:HA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HB | 2:B:650:GLN:HB2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HB | 2:B:650:GLN:HB3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HB | 2:B:650:GLN:HE21 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HB | 2:B:650:GLN:HE22 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HB | 2:B:650:GLN:HG2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HB | 2:B:650:GLN:HG3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HB | 2:B:650:GLN:N | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HB | 2:B:650:GLN:NE2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HB | 2:B:650:GLN:O | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HB | 2:B:650:GLN:OE1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HB | 2:B:651:SER:C | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HB | 2:B:651:SER:CA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HB | 2:B:651:SER:CB | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HB | 2:B:651:SER:H | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HB | 2:B:651:SER:HA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HB | 2:B:651:SER:HB2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HB | 2:B:651:SER:HB3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HB | 2:B:651:SER:HG | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HB | 2:B:651:SER:N | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HB | 2:B:651:SER:O | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HB | 2:B:651:SER:OG | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HB | 2:B:652:ASP:C | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HB | 2:B:652:ASP:CA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HB | 2:B:652:ASP:CB | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HB | 2:B:652:ASP:CG | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HB | 2:B:652:ASP:H | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HB | 2:B:652:ASP:HA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HB | 2:B:652:ASP:HB2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HB | 2:B:652:ASP:HB3 | 9 | 0.15 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:HB | 2:B:652:ASP:N | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HB | 2:B:652:ASP:O | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HB | 2:B:652:ASP:OD1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HB | 2:B:652:ASP:OD2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:C | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:CA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:CB | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:CD1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:CD2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:CE1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:CE2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:CG | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:CZ | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:H | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:HA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:HB2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:HB3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:HD1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:HD2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:HE1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:HE2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:HZ | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:N | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HB | 2:B:653:PHE:O | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HB | 2:B:654:GLU:C | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HB | 2:B:654:GLU:CA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HB | 2:B:654:GLU:CB | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HB | 2:B:654:GLU:CD | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HB | 2:B:654:GLU:CG | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HB | 2:B:654:GLU:H | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HB | 2:B:654:GLU:HA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HB | 2:B:654:GLU:HB2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HB | 2:B:654:GLU:HB3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HB | 2:B:654:GLU:HG2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HB | 2:B:654:GLU:HG3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HB | 2:B:654:GLU:N | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HB | 2:B:654:GLU:O | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HB | 2:B:654:GLU:OE1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HB | 2:B:654:GLU:OE2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HB | 2:B:655:GLY:C | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HB | 2:B:655:GLY:CA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HB | 2:B:655:GLY:H | 9 | 0.15 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:HB | 2:B:655:GLY:HA2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HB | 2:B:655:GLY:HA3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HB | 2:B:655:GLY:N | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HB | 2:B:655:GLY:O | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:C | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:CA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:CB | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:CD1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:CD2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:CE1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:CE2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:CG | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:CZ | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:H | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:HA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:HB2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:HB3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:HD1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:HD2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:HE1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:HE2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:HZ | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:N | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HB | 2:B:656:PHE:O | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HB | 2:B:657:SEP:C | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HB | 2:B:657:SEP:CA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HB | 2:B:657:SEP:CB | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HB | 2:B:657:SEP:H | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HB | 2:B:657:SEP:HA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HB | 2:B:657:SEP:HB3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HB | 2:B:657:SEP:N | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HB | 2:B:657:SEP:O | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HB | 2:B:657:SEP:O1P | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HB | 2:B:657:SEP:O2P | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HB | 2:B:657:SEP:O3P | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HB | 2:B:657:SEP:OG | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HB | 2:B:657:SEP:P | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:C | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:CA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:CB | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:CD1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:CD2 | 9 | 0.15 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:CE1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:CE2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:CG | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:CZ | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:H | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:HA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:HB2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:HB3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:HD1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:HD2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:HE1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:HE2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:HH | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:N | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:O | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HB | 2:B:658:TYR:OH | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HB | 2:B:659:NH2:HN1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HB | 2:B:659:NH2:HN2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HB | 2:B:659:NH2:N | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:648:ACE:C | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:648:ACE:CH3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:648:ACE:H1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:648:ACE:H2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:648:ACE:H3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:648:ACE:O | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:649:ASP:C | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:649:ASP:CA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:649:ASP:CB | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:649:ASP:CG | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:649:ASP:H | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:649:ASP:HA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:649:ASP:HB2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:649:ASP:HB3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:649:ASP:N | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:649:ASP:O | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:649:ASP:OD1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:649:ASP:OD2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:650:GLN:C | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:650:GLN:CA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:650:GLN:CB | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:650:GLN:CD | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:650:GLN:CG | 9 | 0.15 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|------------------|----------|---------------|
| (1,37) | 1:A:250:THR:HG1 | 2:B:650:GLN:H | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:650:GLN:HA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:650:GLN:HB2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:650:GLN:HB3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:650:GLN:HE21 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:650:GLN:HE22 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:650:GLN:HG2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:650:GLN:HG3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:650:GLN:N | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:650:GLN:NE2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:650:GLN:O | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:650:GLN:OE1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:651:SER:C | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:651:SER:CA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:651:SER:CB | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:651:SER:H | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:651:SER:HA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:651:SER:HB2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:651:SER:HB3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:651:SER:HG | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:651:SER:N | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:651:SER:O | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:651:SER:OG | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:652:ASP:C | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:652:ASP:CA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:652:ASP:CB | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:652:ASP:CG | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:652:ASP:H | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:652:ASP:HA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:652:ASP:HB2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:652:ASP:HB3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:652:ASP:N | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:652:ASP:O | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:652:ASP:OD1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:652:ASP:OD2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:C | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:CA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:CB | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:CD1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:CD2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:CE1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:CE2 | 9 | 0.15 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:CG | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:CZ | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:H | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:HA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:HB2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:HB3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:HD1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:HD2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:HE1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:HE2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:HZ | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:N | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:653:PHE:O | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:654:GLU:C | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:654:GLU:CA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:654:GLU:CB | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:654:GLU:CD | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:654:GLU:CG | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:654:GLU:H | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:654:GLU:HA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:654:GLU:HB2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:654:GLU:HB3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:654:GLU:HG2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:654:GLU:HG3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:654:GLU:N | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:654:GLU:O | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:654:GLU:OE1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:654:GLU:OE2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:655:GLY:C | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:655:GLY:CA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:655:GLY:H | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:655:GLY:HA2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:655:GLY:HA3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:655:GLY:N | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:655:GLY:O | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:C | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:CA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:CB | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:CD1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:CD2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:CE1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:CE2 | 9 | 0.15 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:CG | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:CZ | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:H | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:HA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:HB2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:HB3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:HD1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:HD2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:HE1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:HE2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:HZ | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:N | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:656:PHE:O | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:657:SEP:C | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:657:SEP:CA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:657:SEP:CB | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:657:SEP:H | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:657:SEP:HA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:657:SEP:HB3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:657:SEP:N | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:657:SEP:O | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:657:SEP:O1P | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:657:SEP:O2P | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:657:SEP:O3P | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:657:SEP:OG | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:657:SEP:P | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:C | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:CA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:CB | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:CD1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:CD2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:CE1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:CE2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:CG | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:CZ | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:H | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:HA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:HB2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:HB3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:HD1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:HD2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:HE1 | 9 | 0.15 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|------------------|----------|---------------|
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:HE2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:HH | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:N | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:O | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:658:TYR:OH | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:659:NH2:HN1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:659:NH2:HN2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG1 | 2:B:659:NH2:N | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:648:ACE:C | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:648:ACE:CH3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:648:ACE:H1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:648:ACE:H2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:648:ACE:H3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:648:ACE:O | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:649:ASP:C | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:649:ASP:CA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:649:ASP:CB | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:649:ASP:CG | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:649:ASP:H | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:649:ASP:HA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:649:ASP:HB2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:649:ASP:HB3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:649:ASP:N | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:649:ASP:O | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:649:ASP:OD1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:649:ASP:OD2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:650:GLN:C | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:650:GLN:CA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:650:GLN:CB | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:650:GLN:CD | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:650:GLN:CG | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:650:GLN:H | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:650:GLN:HA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:650:GLN:HB2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:650:GLN:HB3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:650:GLN:HE21 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:650:GLN:HE22 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:650:GLN:HG2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:650:GLN:HG3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:650:GLN:N | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:650:GLN:NE2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:650:GLN:O | 9 | 0.15 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:HG21 | 2:B:650:GLN:OE1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:651:SER:C | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:651:SER:CA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:651:SER:CB | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:651:SER:H | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:651:SER:HA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:651:SER:HB2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:651:SER:HB3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:651:SER:HG | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:651:SER:N | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:651:SER:O | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:651:SER:OG | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:652:ASP:C | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:652:ASP:CA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:652:ASP:CB | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:652:ASP:CG | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:652:ASP:H | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:652:ASP:HA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:652:ASP:HB2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:652:ASP:HB3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:652:ASP:N | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:652:ASP:O | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:652:ASP:OD1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:652:ASP:OD2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:C | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:CA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:CB | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:CD1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:CD2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:CE1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:CE2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:CG | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:CZ | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:H | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:HA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:HB2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:HB3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:HD1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:HD2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:HE1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:HE2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:HZ | 9 | 0.15 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:N | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:653:PHE:O | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:654:GLU:C | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:654:GLU:CA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:654:GLU:CB | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:654:GLU:CD | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:654:GLU:CG | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:654:GLU:H | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:654:GLU:HA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:654:GLU:HB2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:654:GLU:HB3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:654:GLU:HG2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:654:GLU:HG3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:654:GLU:N | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:654:GLU:O | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:654:GLU:OE1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:654:GLU:OE2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:655:GLY:C | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:655:GLY:CA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:655:GLY:H | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:655:GLY:HA2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:655:GLY:HA3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:655:GLY:N | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:655:GLY:O | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:C | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:CA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:CB | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:CD1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:CD2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:CE1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:CE2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:CG | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:CZ | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:H | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:HA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:HB2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:HB3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:HD1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:HD2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:HE1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:HE2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:HZ | 9 | 0.15 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:N | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:656:PHE:O | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:657:SEP:C | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:657:SEP:CA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:657:SEP:CB | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:657:SEP:H | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:657:SEP:HA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:657:SEP:HB3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:657:SEP:N | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:657:SEP:O | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:657:SEP:O1P | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:657:SEP:O2P | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:657:SEP:O3P | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:657:SEP:OG | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:657:SEP:P | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:C | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:CA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:CB | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:CD1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:CD2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:CE1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:CE2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:CG | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:CZ | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:H | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:HA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:HB2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:HB3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:HD1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:HD2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:HE1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:HE2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:HH | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:N | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:O | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:658:TYR:OH | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:659:NH2:HN1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:659:NH2:HN2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG21 | 2:B:659:NH2:N | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:648:ACE:C | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:648:ACE:CH3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:648:ACE:H1 | 9 | 0.15 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|------------------|----------|---------------|
| (1,37) | 1:A:250:THR:HG22 | 2:B:648:ACE:H2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:648:ACE:H3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:648:ACE:O | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:649:ASP:C | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:649:ASP:CA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:649:ASP:CB | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:649:ASP:CG | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:649:ASP:H | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:649:ASP:HA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:649:ASP:HB2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:649:ASP:HB3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:649:ASP:N | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:649:ASP:O | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:649:ASP:OD1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:649:ASP:OD2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:650:GLN:C | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:650:GLN:CA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:650:GLN:CB | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:650:GLN:CD | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:650:GLN:CG | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:650:GLN:H | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:650:GLN:HA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:650:GLN:HB2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:650:GLN:HB3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:650:GLN:HE21 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:650:GLN:HE22 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:650:GLN:HG2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:650:GLN:HG3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:650:GLN:N | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:650:GLN:NE2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:650:GLN:O | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:650:GLN:OE1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:651:SER:C | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:651:SER:CA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:651:SER:CB | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:651:SER:H | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:651:SER:HA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:651:SER:HB2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:651:SER:HB3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:651:SER:HG | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:651:SER:N | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:651:SER:O | 9 | 0.15 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:HG22 | 2:B:651:SER:OG | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:652:ASP:C | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:652:ASP:CA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:652:ASP:CB | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:652:ASP:CG | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:652:ASP:H | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:652:ASP:HA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:652:ASP:HB2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:652:ASP:HB3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:652:ASP:N | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:652:ASP:O | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:652:ASP:OD1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:652:ASP:OD2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:C | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:CA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:CB | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:CD1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:CD2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:CE1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:CE2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:CG | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:CZ | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:H | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:HA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:HB2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:HB3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:HD1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:HD2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:HE1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:HE2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:HZ | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:N | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:653:PHE:O | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:654:GLU:C | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:654:GLU:CA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:654:GLU:CB | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:654:GLU:CD | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:654:GLU:CG | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:654:GLU:H | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:654:GLU:HA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:654:GLU:HB2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:654:GLU:HB3 | 9 | 0.15 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:HG22 | 2:B:654:GLU:HG2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:654:GLU:HG3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:654:GLU:N | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:654:GLU:O | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:654:GLU:OE1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:654:GLU:OE2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:655:GLY:C | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:655:GLY:CA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:655:GLY:H | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:655:GLY:HA2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:655:GLY:HA3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:655:GLY:N | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:655:GLY:O | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:C | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:CA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:CB | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:CD1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:CD2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:CE1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:CE2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:CG | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:CZ | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:H | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:HA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:HB2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:HB3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:HD1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:HD2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:HE1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:HE2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:HZ | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:N | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:656:PHE:O | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:657:SEP:C | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:657:SEP:CA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:657:SEP:CB | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:657:SEP:H | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:657:SEP:HA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:657:SEP:HB3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:657:SEP:N | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:657:SEP:O | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:657:SEP:O1P | 9 | 0.15 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:HG22 | 2:B:657:SEP:O2P | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:657:SEP:O3P | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:657:SEP:OG | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:657:SEP:P | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:C | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:CA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:CB | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:CD1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:CD2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:CE1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:CE2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:CG | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:CZ | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:H | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:HA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:HB2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:HB3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:HD1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:HD2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:HE1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:HE2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:HH | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:N | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:O | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:658:TYR:OH | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:659:NH2:HN1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:659:NH2:HN2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG22 | 2:B:659:NH2:N | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:648:ACE:C | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:648:ACE:CH3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:648:ACE:H1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:648:ACE:H2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:648:ACE:H3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:648:ACE:O | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:649:ASP:C | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:649:ASP:CA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:649:ASP:CB | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:649:ASP:CG | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:649:ASP:H | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:649:ASP:HA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:649:ASP:HB2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:649:ASP:HB3 | 9 | 0.15 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|------------------|----------|---------------|
| (1,37) | 1:A:250:THR:HG23 | 2:B:649:ASP:N | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:649:ASP:O | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:649:ASP:OD1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:649:ASP:OD2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:650:GLN:C | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:650:GLN:CA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:650:GLN:CB | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:650:GLN:CD | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:650:GLN:CG | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:650:GLN:H | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:650:GLN:HA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:650:GLN:HB2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:650:GLN:HB3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:650:GLN:HE21 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:650:GLN:HE22 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:650:GLN:HG2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:650:GLN:HG3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:650:GLN:N | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:650:GLN:NE2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:650:GLN:O | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:650:GLN:OE1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:651:SER:C | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:651:SER:CA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:651:SER:CB | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:651:SER:H | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:651:SER:HA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:651:SER:HB2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:651:SER:HB3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:651:SER:HG | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:651:SER:N | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:651:SER:O | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:651:SER:OG | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:652:ASP:C | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:652:ASP:CA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:652:ASP:CB | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:652:ASP:CG | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:652:ASP:H | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:652:ASP:HA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:652:ASP:HB2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:652:ASP:HB3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:652:ASP:N | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:652:ASP:O | 9 | 0.15 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:HG23 | 2:B:652:ASP:OD1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:652:ASP:OD2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:C | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:CA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:CB | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:CD1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:CD2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:CE1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:CE2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:CG | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:CZ | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:H | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:HA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:HB2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:HB3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:HD1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:HD2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:HE1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:HE2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:HZ | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:N | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:653:PHE:O | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:654:GLU:C | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:654:GLU:CA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:654:GLU:CB | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:654:GLU:CD | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:654:GLU:CG | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:654:GLU:H | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:654:GLU:HA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:654:GLU:HB2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:654:GLU:HB3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:654:GLU:HG2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:654:GLU:HG3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:654:GLU:N | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:654:GLU:O | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:654:GLU:OE1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:654:GLU:OE2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:655:GLY:C | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:655:GLY:CA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:655:GLY:H | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:655:GLY:HA2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:655:GLY:HA3 | 9 | 0.15 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:HG23 | 2:B:655:GLY:N | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:655:GLY:O | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:C | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:CA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:CB | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:CD1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:CD2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:CE1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:CE2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:CG | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:CZ | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:H | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:HA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:HB2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:HB3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:HD1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:HD2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:HE1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:HE2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:HZ | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:N | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:656:PHE:O | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:657:SEP:C | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:657:SEP:CA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:657:SEP:CB | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:657:SEP:H | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:657:SEP:HA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:657:SEP:HB3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:657:SEP:N | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:657:SEP:O | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:657:SEP:O1P | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:657:SEP:O2P | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:657:SEP:O3P | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:657:SEP:OG | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:657:SEP:P | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:C | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:CA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:CB | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:CD1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:CD2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:CE1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:CE2 | 9 | 0.15 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|------------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:CG | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:CZ | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:H | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:HA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:HB2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:HB3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:HD1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:HD2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:HE1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:HE2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:HH | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:N | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:O | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:658:TYR:OH | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:659:NH2:HN1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:659:NH2:HN2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:HG23 | 2:B:659:NH2:N | 9 | 0.15 |
| (1,37) | 1:A:250:THR:N | 2:B:648:ACE:C | 9 | 0.15 |
| (1,37) | 1:A:250:THR:N | 2:B:648:ACE:CH3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:N | 2:B:648:ACE:H1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:N | 2:B:648:ACE:H2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:N | 2:B:648:ACE:H3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:N | 2:B:648:ACE:O | 9 | 0.15 |
| (1,37) | 1:A:250:THR:N | 2:B:649:ASP:C | 9 | 0.15 |
| (1,37) | 1:A:250:THR:N | 2:B:649:ASP:CA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:N | 2:B:649:ASP:CB | 9 | 0.15 |
| (1,37) | 1:A:250:THR:N | 2:B:649:ASP:CG | 9 | 0.15 |
| (1,37) | 1:A:250:THR:N | 2:B:649:ASP:H | 9 | 0.15 |
| (1,37) | 1:A:250:THR:N | 2:B:649:ASP:HA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:N | 2:B:649:ASP:HB2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:N | 2:B:649:ASP:HB3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:N | 2:B:649:ASP:N | 9 | 0.15 |
| (1,37) | 1:A:250:THR:N | 2:B:649:ASP:O | 9 | 0.15 |
| (1,37) | 1:A:250:THR:N | 2:B:649:ASP:OD1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:N | 2:B:649:ASP:OD2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:N | 2:B:650:GLN:C | 9 | 0.15 |
| (1,37) | 1:A:250:THR:N | 2:B:650:GLN:CA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:N | 2:B:650:GLN:CB | 9 | 0.15 |
| (1,37) | 1:A:250:THR:N | 2:B:650:GLN:CD | 9 | 0.15 |
| (1,37) | 1:A:250:THR:N | 2:B:650:GLN:CG | 9 | 0.15 |
| (1,37) | 1:A:250:THR:N | 2:B:650:GLN:H | 9 | 0.15 |
| (1,37) | 1:A:250:THR:N | 2:B:650:GLN:HA | 9 | 0.15 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (1,37) | 1:A:250:THR:N | 2:B:650:GLN:HB2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:N | 2:B:650:GLN:HB3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:N | 2:B:650:GLN:HE21 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:N | 2:B:650:GLN:HE22 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:N | 2:B:650:GLN:HG2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:N | 2:B:650:GLN:HG3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:N | 2:B:650:GLN:N | 9 | 0.15 |
| (1,37) | 1:A:250:THR:N | 2:B:650:GLN:NE2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:N | 2:B:650:GLN:O | 9 | 0.15 |
| (1,37) | 1:A:250:THR:N | 2:B:650:GLN:OE1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:N | 2:B:651:SER:C | 9 | 0.15 |
| (1,37) | 1:A:250:THR:N | 2:B:651:SER:CA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:N | 2:B:651:SER:CB | 9 | 0.15 |
| (1,37) | 1:A:250:THR:N | 2:B:651:SER:H | 9 | 0.15 |
| (1,37) | 1:A:250:THR:N | 2:B:651:SER:HA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:N | 2:B:651:SER:HB2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:N | 2:B:651:SER:HB3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:N | 2:B:651:SER:HG | 9 | 0.15 |
| (1,37) | 1:A:250:THR:N | 2:B:651:SER:N | 9 | 0.15 |
| (1,37) | 1:A:250:THR:N | 2:B:651:SER:O | 9 | 0.15 |
| (1,37) | 1:A:250:THR:N | 2:B:651:SER:OG | 9 | 0.15 |
| (1,37) | 1:A:250:THR:N | 2:B:652:ASP:C | 9 | 0.15 |
| (1,37) | 1:A:250:THR:N | 2:B:652:ASP:CA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:N | 2:B:652:ASP:CB | 9 | 0.15 |
| (1,37) | 1:A:250:THR:N | 2:B:652:ASP:CG | 9 | 0.15 |
| (1,37) | 1:A:250:THR:N | 2:B:652:ASP:H | 9 | 0.15 |
| (1,37) | 1:A:250:THR:N | 2:B:652:ASP:HA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:N | 2:B:652:ASP:HB2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:N | 2:B:652:ASP:HB3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:N | 2:B:652:ASP:N | 9 | 0.15 |
| (1,37) | 1:A:250:THR:N | 2:B:652:ASP:O | 9 | 0.15 |
| (1,37) | 1:A:250:THR:N | 2:B:652:ASP:OD1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:N | 2:B:652:ASP:OD2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:C | 9 | 0.15 |
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:CA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:CB | 9 | 0.15 |
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:CD1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:CD2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:CE1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:CE2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:CG | 9 | 0.15 |
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:CZ | 9 | 0.15 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:H | 9 | 0.15 |
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:HA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:HB2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:HB3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:HD1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:HD2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:HE1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:HE2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:HZ | 9 | 0.15 |
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:N | 9 | 0.15 |
| (1,37) | 1:A:250:THR:N | 2:B:653:PHE:O | 9 | 0.15 |
| (1,37) | 1:A:250:THR:N | 2:B:654:GLU:C | 9 | 0.15 |
| (1,37) | 1:A:250:THR:N | 2:B:654:GLU:CA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:N | 2:B:654:GLU:CB | 9 | 0.15 |
| (1,37) | 1:A:250:THR:N | 2:B:654:GLU:CD | 9 | 0.15 |
| (1,37) | 1:A:250:THR:N | 2:B:654:GLU:CG | 9 | 0.15 |
| (1,37) | 1:A:250:THR:N | 2:B:654:GLU:H | 9 | 0.15 |
| (1,37) | 1:A:250:THR:N | 2:B:654:GLU:HA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:N | 2:B:654:GLU:HB2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:N | 2:B:654:GLU:HB3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:N | 2:B:654:GLU:HG2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:N | 2:B:654:GLU:HG3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:N | 2:B:654:GLU:N | 9 | 0.15 |
| (1,37) | 1:A:250:THR:N | 2:B:654:GLU:O | 9 | 0.15 |
| (1,37) | 1:A:250:THR:N | 2:B:654:GLU:OE1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:N | 2:B:654:GLU:OE2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:N | 2:B:655:GLY:C | 9 | 0.15 |
| (1,37) | 1:A:250:THR:N | 2:B:655:GLY:CA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:N | 2:B:655:GLY:H | 9 | 0.15 |
| (1,37) | 1:A:250:THR:N | 2:B:655:GLY:HA2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:N | 2:B:655:GLY:HA3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:N | 2:B:655:GLY:N | 9 | 0.15 |
| (1,37) | 1:A:250:THR:N | 2:B:655:GLY:O | 9 | 0.15 |
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:C | 9 | 0.15 |
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:CA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:CB | 9 | 0.15 |
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:CD1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:CD2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:CE1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:CE2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:CG | 9 | 0.15 |
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:CZ | 9 | 0.15 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:H | 9 | 0.15 |
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:HA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:HB2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:HB3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:HD1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:HD2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:HE1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:HE2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:HZ | 9 | 0.15 |
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:N | 9 | 0.15 |
| (1,37) | 1:A:250:THR:N | 2:B:656:PHE:O | 9 | 0.15 |
| (1,37) | 1:A:250:THR:N | 2:B:657:SEP:C | 9 | 0.15 |
| (1,37) | 1:A:250:THR:N | 2:B:657:SEP:CA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:N | 2:B:657:SEP:CB | 9 | 0.15 |
| (1,37) | 1:A:250:THR:N | 2:B:657:SEP:H | 9 | 0.15 |
| (1,37) | 1:A:250:THR:N | 2:B:657:SEP:HA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:N | 2:B:657:SEP:HB3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:N | 2:B:657:SEP:N | 9 | 0.15 |
| (1,37) | 1:A:250:THR:N | 2:B:657:SEP:O | 9 | 0.15 |
| (1,37) | 1:A:250:THR:N | 2:B:657:SEP:O1P | 9 | 0.15 |
| (1,37) | 1:A:250:THR:N | 2:B:657:SEP:O2P | 9 | 0.15 |
| (1,37) | 1:A:250:THR:N | 2:B:657:SEP:O3P | 9 | 0.15 |
| (1,37) | 1:A:250:THR:N | 2:B:657:SEP:OG | 9 | 0.15 |
| (1,37) | 1:A:250:THR:N | 2:B:657:SEP:P | 9 | 0.15 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:C | 9 | 0.15 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:CA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:CB | 9 | 0.15 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:CD1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:CD2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:CE1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:CE2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:CG | 9 | 0.15 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:CZ | 9 | 0.15 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:H | 9 | 0.15 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:HA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:HB2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:HB3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:HD1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:HD2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:HE1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:HE2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:HH | 9 | 0.15 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:N | 9 | 0.15 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:O | 9 | 0.15 |
| (1,37) | 1:A:250:THR:N | 2:B:658:TYR:OH | 9 | 0.15 |
| (1,37) | 1:A:250:THR:N | 2:B:659:NH2:HN1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:N | 2:B:659:NH2:HN2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:N | 2:B:659:NH2:N | 9 | 0.15 |
| (1,37) | 1:A:250:THR:O | 2:B:648:ACE:C | 9 | 0.15 |
| (1,37) | 1:A:250:THR:O | 2:B:648:ACE:CH3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:O | 2:B:648:ACE:H1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:O | 2:B:648:ACE:H2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:O | 2:B:648:ACE:H3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:O | 2:B:648:ACE:O | 9 | 0.15 |
| (1,37) | 1:A:250:THR:O | 2:B:649:ASP:C | 9 | 0.15 |
| (1,37) | 1:A:250:THR:O | 2:B:649:ASP:CA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:O | 2:B:649:ASP:CB | 9 | 0.15 |
| (1,37) | 1:A:250:THR:O | 2:B:649:ASP:CG | 9 | 0.15 |
| (1,37) | 1:A:250:THR:O | 2:B:649:ASP:H | 9 | 0.15 |
| (1,37) | 1:A:250:THR:O | 2:B:649:ASP:HA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:O | 2:B:649:ASP:HB2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:O | 2:B:649:ASP:HB3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:O | 2:B:649:ASP:N | 9 | 0.15 |
| (1,37) | 1:A:250:THR:O | 2:B:649:ASP:O | 9 | 0.15 |
| (1,37) | 1:A:250:THR:O | 2:B:649:ASP:OD1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:O | 2:B:649:ASP:OD2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:O | 2:B:650:GLN:C | 9 | 0.15 |
| (1,37) | 1:A:250:THR:O | 2:B:650:GLN:CA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:O | 2:B:650:GLN:CB | 9 | 0.15 |
| (1,37) | 1:A:250:THR:O | 2:B:650:GLN:CD | 9 | 0.15 |
| (1,37) | 1:A:250:THR:O | 2:B:650:GLN:CG | 9 | 0.15 |
| (1,37) | 1:A:250:THR:O | 2:B:650:GLN:H | 9 | 0.15 |
| (1,37) | 1:A:250:THR:O | 2:B:650:GLN:HA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:O | 2:B:650:GLN:HB2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:O | 2:B:650:GLN:HB3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:O | 2:B:650:GLN:HE21 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:O | 2:B:650:GLN:HE22 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:O | 2:B:650:GLN:HG2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:O | 2:B:650:GLN:HG3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:O | 2:B:650:GLN:N | 9 | 0.15 |
| (1,37) | 1:A:250:THR:O | 2:B:650:GLN:NE2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:O | 2:B:650:GLN:O | 9 | 0.15 |
| (1,37) | 1:A:250:THR:O | 2:B:650:GLN:OE1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:O | 2:B:651:SER:C | 9 | 0.15 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:O | 2:B:651:SER:CA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:O | 2:B:651:SER:CB | 9 | 0.15 |
| (1,37) | 1:A:250:THR:O | 2:B:651:SER:H | 9 | 0.15 |
| (1,37) | 1:A:250:THR:O | 2:B:651:SER:HA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:O | 2:B:651:SER:HB2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:O | 2:B:651:SER:HB3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:O | 2:B:651:SER:HG | 9 | 0.15 |
| (1,37) | 1:A:250:THR:O | 2:B:651:SER:N | 9 | 0.15 |
| (1,37) | 1:A:250:THR:O | 2:B:651:SER:O | 9 | 0.15 |
| (1,37) | 1:A:250:THR:O | 2:B:651:SER:OG | 9 | 0.15 |
| (1,37) | 1:A:250:THR:O | 2:B:652:ASP:C | 9 | 0.15 |
| (1,37) | 1:A:250:THR:O | 2:B:652:ASP:CA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:O | 2:B:652:ASP:CB | 9 | 0.15 |
| (1,37) | 1:A:250:THR:O | 2:B:652:ASP:CG | 9 | 0.15 |
| (1,37) | 1:A:250:THR:O | 2:B:652:ASP:H | 9 | 0.15 |
| (1,37) | 1:A:250:THR:O | 2:B:652:ASP:HA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:O | 2:B:652:ASP:HB2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:O | 2:B:652:ASP:HB3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:O | 2:B:652:ASP:N | 9 | 0.15 |
| (1,37) | 1:A:250:THR:O | 2:B:652:ASP:O | 9 | 0.15 |
| (1,37) | 1:A:250:THR:O | 2:B:652:ASP:OD1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:O | 2:B:652:ASP:OD2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:C | 9 | 0.15 |
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:CA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:CB | 9 | 0.15 |
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:CD1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:CD2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:CE1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:CE2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:CG | 9 | 0.15 |
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:CZ | 9 | 0.15 |
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:H | 9 | 0.15 |
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:HA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:HB2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:HB3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:HD1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:HD2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:HE1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:HE2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:HZ | 9 | 0.15 |
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:N | 9 | 0.15 |
| (1,37) | 1:A:250:THR:O | 2:B:653:PHE:O | 9 | 0.15 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:O | 2:B:654:GLU:C | 9 | 0.15 |
| (1,37) | 1:A:250:THR:O | 2:B:654:GLU:CA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:O | 2:B:654:GLU:CB | 9 | 0.15 |
| (1,37) | 1:A:250:THR:O | 2:B:654:GLU:CD | 9 | 0.15 |
| (1,37) | 1:A:250:THR:O | 2:B:654:GLU:CG | 9 | 0.15 |
| (1,37) | 1:A:250:THR:O | 2:B:654:GLU:H | 9 | 0.15 |
| (1,37) | 1:A:250:THR:O | 2:B:654:GLU:HA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:O | 2:B:654:GLU:HB2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:O | 2:B:654:GLU:HB3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:O | 2:B:654:GLU:HG2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:O | 2:B:654:GLU:HG3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:O | 2:B:654:GLU:N | 9 | 0.15 |
| (1,37) | 1:A:250:THR:O | 2:B:654:GLU:O | 9 | 0.15 |
| (1,37) | 1:A:250:THR:O | 2:B:654:GLU:OE1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:O | 2:B:654:GLU:OE2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:O | 2:B:655:GLY:C | 9 | 0.15 |
| (1,37) | 1:A:250:THR:O | 2:B:655:GLY:CA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:O | 2:B:655:GLY:H | 9 | 0.15 |
| (1,37) | 1:A:250:THR:O | 2:B:655:GLY:HA2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:O | 2:B:655:GLY:HA3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:O | 2:B:655:GLY:N | 9 | 0.15 |
| (1,37) | 1:A:250:THR:O | 2:B:655:GLY:O | 9 | 0.15 |
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:C | 9 | 0.15 |
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:CA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:CB | 9 | 0.15 |
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:CD1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:CD2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:CE1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:CE2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:CG | 9 | 0.15 |
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:CZ | 9 | 0.15 |
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:H | 9 | 0.15 |
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:HA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:HB2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:HB3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:HD1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:HD2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:HE1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:HE2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:HZ | 9 | 0.15 |
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:N | 9 | 0.15 |
| (1,37) | 1:A:250:THR:O | 2:B:656:PHE:O | 9 | 0.15 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:O | 2:B:657:SEP:C | 9 | 0.15 |
| (1,37) | 1:A:250:THR:O | 2:B:657:SEP:CA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:O | 2:B:657:SEP:CB | 9 | 0.15 |
| (1,37) | 1:A:250:THR:O | 2:B:657:SEP:H | 9 | 0.15 |
| (1,37) | 1:A:250:THR:O | 2:B:657:SEP:HA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:O | 2:B:657:SEP:HB3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:O | 2:B:657:SEP:N | 9 | 0.15 |
| (1,37) | 1:A:250:THR:O | 2:B:657:SEP:O | 9 | 0.15 |
| (1,37) | 1:A:250:THR:O | 2:B:657:SEP:O1P | 9 | 0.15 |
| (1,37) | 1:A:250:THR:O | 2:B:657:SEP:O2P | 9 | 0.15 |
| (1,37) | 1:A:250:THR:O | 2:B:657:SEP:O3P | 9 | 0.15 |
| (1,37) | 1:A:250:THR:O | 2:B:657:SEP:OG | 9 | 0.15 |
| (1,37) | 1:A:250:THR:O | 2:B:657:SEP:P | 9 | 0.15 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:C | 9 | 0.15 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:CA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:CB | 9 | 0.15 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:CD1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:CD2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:CE1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:CE2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:CG | 9 | 0.15 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:CZ | 9 | 0.15 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:H | 9 | 0.15 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:HA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:HB2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:HB3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:HD1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:HD2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:HE1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:HE2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:HH | 9 | 0.15 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:N | 9 | 0.15 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:O | 9 | 0.15 |
| (1,37) | 1:A:250:THR:O | 2:B:658:TYR:OH | 9 | 0.15 |
| (1,37) | 1:A:250:THR:O | 2:B:659:NH2:HN1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:O | 2:B:659:NH2:HN2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:O | 2:B:659:NH2:N | 9 | 0.15 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:648:ACE:C | 9 | 0.15 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:648:ACE:CH3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:648:ACE:H1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:648:ACE:H2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:648:ACE:H3 | 9 | 0.15 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|------------------|----------|---------------|
| (1,37) | 1:A:250:THR:OG1 | 2:B:648:ACE:O | 9 | 0.15 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:649:ASP:C | 9 | 0.15 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:649:ASP:CA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:649:ASP:CB | 9 | 0.15 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:649:ASP:CG | 9 | 0.15 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:649:ASP:H | 9 | 0.15 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:649:ASP:HA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:649:ASP:HB2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:649:ASP:HB3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:649:ASP:N | 9 | 0.15 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:649:ASP:O | 9 | 0.15 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:649:ASP:OD1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:649:ASP:OD2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:650:GLN:C | 9 | 0.15 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:650:GLN:CA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:650:GLN:CB | 9 | 0.15 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:650:GLN:CD | 9 | 0.15 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:650:GLN:CG | 9 | 0.15 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:650:GLN:H | 9 | 0.15 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:650:GLN:HA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:650:GLN:HB2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:650:GLN:HB3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:650:GLN:HE21 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:650:GLN:HE22 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:650:GLN:HG2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:650:GLN:HG3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:650:GLN:N | 9 | 0.15 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:650:GLN:NE2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:650:GLN:O | 9 | 0.15 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:650:GLN:OE1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:651:SER:C | 9 | 0.15 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:651:SER:CA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:651:SER:CB | 9 | 0.15 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:651:SER:H | 9 | 0.15 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:651:SER:HA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:651:SER:HB2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:651:SER:HB3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:651:SER:HG | 9 | 0.15 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:651:SER:N | 9 | 0.15 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:651:SER:O | 9 | 0.15 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:651:SER:OG | 9 | 0.15 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:652:ASP:C | 9 | 0.15 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:OG1 | 2:B:652:ASP:CA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:652:ASP:CB | 9 | 0.15 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:652:ASP:CG | 9 | 0.15 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:652:ASP:H | 9 | 0.15 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:652:ASP:HA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:652:ASP:HB2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:652:ASP:HB3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:652:ASP:N | 9 | 0.15 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:652:ASP:O | 9 | 0.15 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:652:ASP:OD1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:652:ASP:OD2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:C | 9 | 0.15 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:CA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:CB | 9 | 0.15 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:CD1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:CD2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:CE1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:CE2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:CG | 9 | 0.15 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:CZ | 9 | 0.15 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:H | 9 | 0.15 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:HA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:HB2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:HB3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:HD1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:HD2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:HE1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:HE2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:HZ | 9 | 0.15 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:N | 9 | 0.15 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:653:PHE:O | 9 | 0.15 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:654:GLU:C | 9 | 0.15 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:654:GLU:CA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:654:GLU:CB | 9 | 0.15 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:654:GLU:CD | 9 | 0.15 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:654:GLU:CG | 9 | 0.15 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:654:GLU:H | 9 | 0.15 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:654:GLU:HA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:654:GLU:HB2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:654:GLU:HB3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:654:GLU:HG2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:654:GLU:HG3 | 9 | 0.15 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:OG1 | 2:B:654:GLU:N | 9 | 0.15 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:654:GLU:O | 9 | 0.15 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:654:GLU:OE1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:654:GLU:OE2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:655:GLY:C | 9 | 0.15 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:655:GLY:CA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:655:GLY:H | 9 | 0.15 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:655:GLY:HA2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:655:GLY:HA3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:655:GLY:N | 9 | 0.15 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:655:GLY:O | 9 | 0.15 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:C | 9 | 0.15 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:CA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:CB | 9 | 0.15 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:CD1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:CD2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:CE1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:CE2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:CG | 9 | 0.15 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:CZ | 9 | 0.15 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:H | 9 | 0.15 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:HA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:HB2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:HB3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:HD1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:HD2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:HE1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:HE2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:HZ | 9 | 0.15 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:N | 9 | 0.15 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:656:PHE:O | 9 | 0.15 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:657:SEP:C | 9 | 0.15 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:657:SEP:CA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:657:SEP:CB | 9 | 0.15 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:657:SEP:H | 9 | 0.15 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:657:SEP:HA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:657:SEP:HB3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:657:SEP:N | 9 | 0.15 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:657:SEP:O | 9 | 0.15 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:657:SEP:O1P | 9 | 0.15 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:657:SEP:O2P | 9 | 0.15 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:657:SEP:O3P | 9 | 0.15 |

Continued on next page...

Continued from previous page...

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|-----------------|----------|---------------|
| (1,37) | 1:A:250:THR:OG1 | 2:B:657:SEP:OG | 9 | 0.15 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:657:SEP:P | 9 | 0.15 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:C | 9 | 0.15 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:CA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:CB | 9 | 0.15 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:CD1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:CD2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:CE1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:CE2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:CG | 9 | 0.15 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:CZ | 9 | 0.15 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:H | 9 | 0.15 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:HA | 9 | 0.15 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:HB2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:HB3 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:HD1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:HD2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:HE1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:HE2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:HH | 9 | 0.15 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:N | 9 | 0.15 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:O | 9 | 0.15 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:658:TYR:OH | 9 | 0.15 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:659:NH2:HN1 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:659:NH2:HN2 | 9 | 0.15 |
| (1,37) | 1:A:250:THR:OG1 | 2:B:659:NH2:N | 9 | 0.15 |
| (2,1) | 3:A:301:CA:CA | 1:A:187:ASP:OD1 | 16 | 0.11 |

10 Dihedral-angle violation analysis

No dihedral-angle restraints found